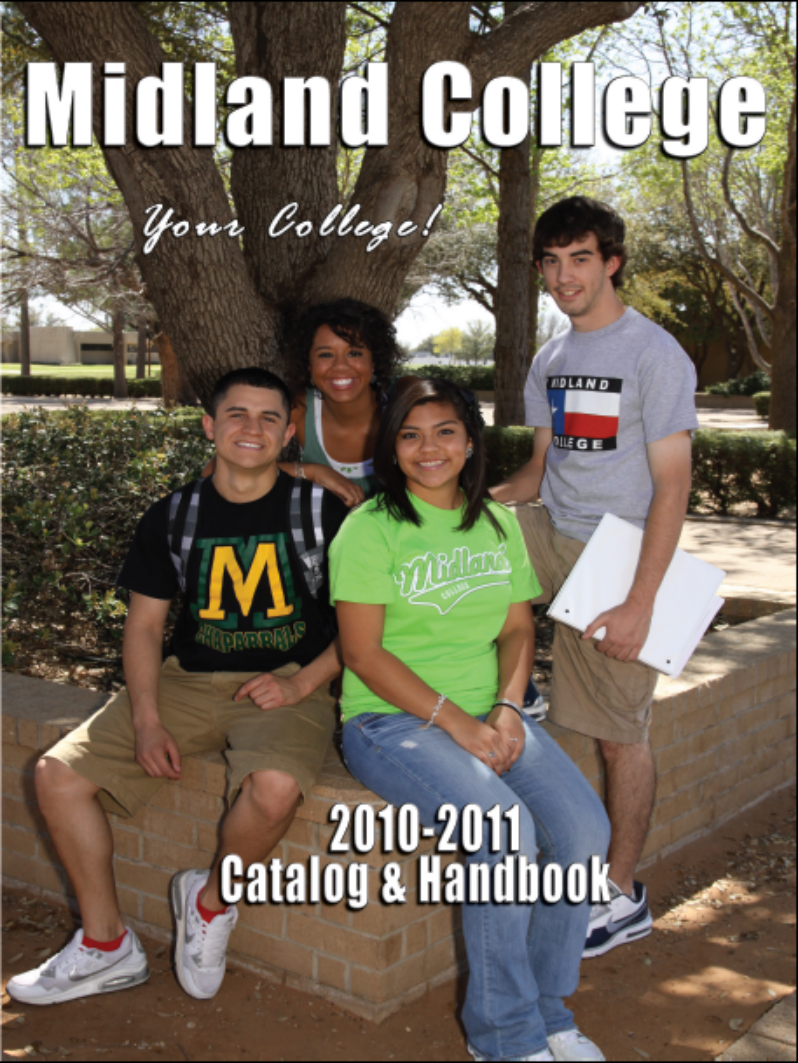
Midland College

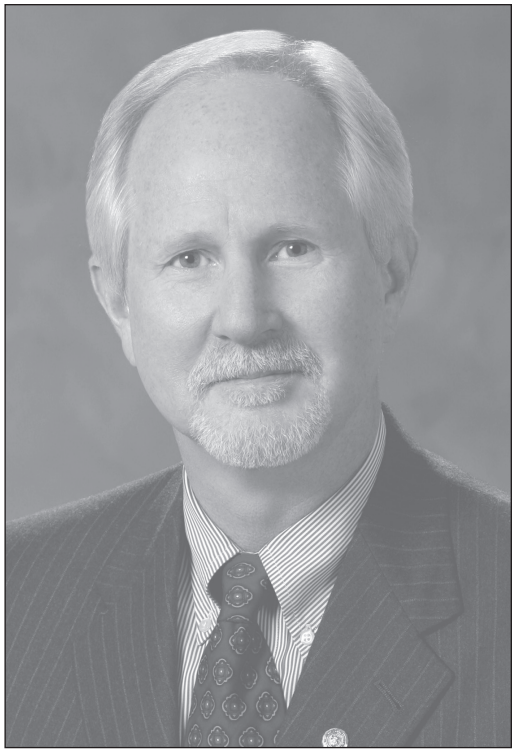
Your College!



2010-2011 Catalog & Handbook

Welcome to Midland College!

All of us who are employed here are united in extending our best efforts on your behalf. We like to think of our college as student centered. That is, we try diligently to meet your needs whether they relate to academics or the many other facets of student life. If you have questions, all you need to do is ask. We will respond. We want your experience here to be fulfilling, and we want you to meet the goals you have set for yourself.



You will immediately be impressed with the quality and dedication of the Midland College faculty. They are well prepared for their tasks. They believe in our philosophy: given the opportunity and motivation, people of all ages and stations in life can achieve their aspirations. Each and every member of the faculty is available to facilitate the learning process through personal contact with our most important product, you the student.

The Midland College campus is alive with a stimulating dynamic environment. Whether you seek certification in a specific area or attainment of the associate and/or baccalaureate degree, you will find a superior atmosphere in which to work and study. You will find dozens of ways to supplement your experience with athletics, journalism, student government, music, interest groups, and a myriad of activities. We desire that you participate in campus life to the fullest extent possible. We recognize that most of you work at least part-time and that family responsibilities often take priority. Whatever your participation, the college family will be enriched by your presence.

In addition to the associate degree program, the College now includes the baccalaureate degree, serving professionals in 18 career areas, thereby expanding opportunity for our students. In addition, the College offerings now include The University Center that provides baccalaureate programs from area colleges including, Sul Ross State University, Texas Tech University Health Sciences Center, and The University of Texas of the Permian Basin.

This is your college. It exists solely for you, our students. Together we can work miracles and remove those obstacles which hold us back. Opportunity is all about us. Sharing the Midland College experience will heighten our abilities to live productively and happily. We're glad you're here!

Steve Thomas
President of Midland College

Midland College

General Catalog & Handbook
2010-2011
Volume XXXVIII

Accreditation

Midland College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award certificates and associate and baccalaureate degrees. In compliance with the Commission on Colleges Substantive Change Policy, new programs are reported to the Commission and necessary approvals obtained prior to bring offered. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Midland College.

Midland College meets all guidelines and standards as set forth by the Texas Higher Education Coordinating Board.

Midland College is also accredited by the following organizations:

American Veterinary Medical Association
Commission on Accreditation of Allied Health Informatics & Information Management Education
Commission on Accreditation of Allied Health Educational Programs
Committee on Accreditation for Respiratory Care
Joint Review Committee on Education in Radiologic Technology
National Automotive Technicians Education Foundation
National League for Nursing Accrediting Commission

Equal Opportunity Statement

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored or conducted by Midland College on any basis prohibited by applicable law including, but not limited to, race, color, age, marital status, national origin, religion, gender, disability, or status as a qualified disabled veteran or Vietnam era veteran.

Documentation may be viewed in the President's Office at:

Midland College	(432) 685-4500
3600 North Garfield	(432) 570-8805
Midland, Texas 79705	(432) 570-8875

www.midland.edu

Guide to Contents

Catalog Rights

This catalog is effective for the 2010-2011 academic school year. It is for information only and does not constitute a contract. The College reserves the right to change, modify or alter without notice all fees, charges, tuition, expenses and costs of any kind. Further, the College can add or delete without notice any course, program or policy information contained in this catalog in order to keep curriculum content and college policy current. Students can normally plan on using the curriculum in force at the time they enter for a period of four years.

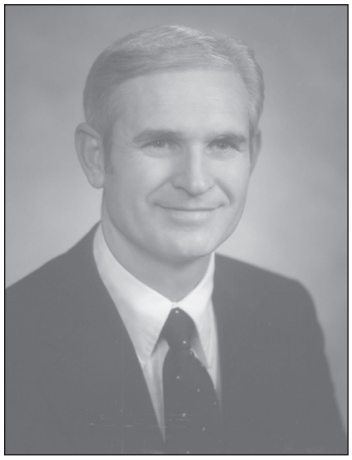
General Information

Section Contents

Administration

The policy making and supervisory functions of the administration of the college, as provided by state law, are vested in a nine-person Board of Trustees. The Board delegates the professional responsibility to the President of the college, who is assisted by other administrative officers.

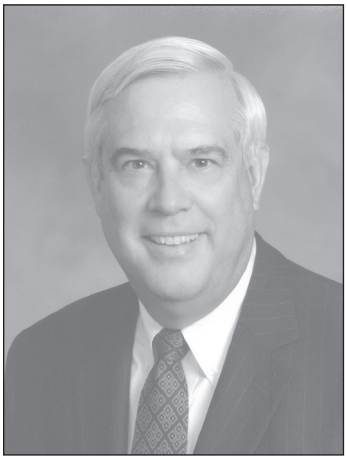
Board of Trustees



Kenneth A. Peeler
President

Steven C. Kiser
Vice President

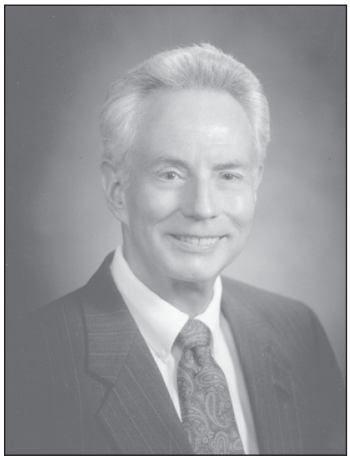
Charlene R. McBride
Secretary



Stephen N. Castle
Board Member

Neil M. Florer
Board Member

Joann E. Foster
Board Member



Will R. Green
Board Member

G. Larry Lawrence
Board Member

Ralph L. Way
Board Member

The Midland College Foundation

The mission of the Midland College Foundation, which was created in 1973, is:

- to advance education through financial support of Midland College, including all of its departments, by the improvement of its research, teaching, scholarship and facilities;
- to receive, hold, manage, and control property, whether real, personal or mixed, acquired by the Corporation by donation, gift, grant, devise, bequest, purchase or other means;
- to transfer or use all or any part of the corpus or income for the benefit of Midland College in accordance with the general or specific purposes stipulated by the donors, grantors, or testators, or, in the absence of such stipulations, for such uses as may be determined by the Board of Directors; and
- to promptly distribute all net income in excess of operating requirements to promote the educational advancement of Midland College.

The foundation directs major gift fundraising activities and provides asset management services in support of educational excellence at Midland College. The foundation serves donors (individuals, corporations, and organizations) and the college (administrators, faculty, staff, and students) and is responsible for soliciting, receipting, acknowledging, and managing endowments and other gifts, and disbursing funds to benefit educational service programs at Midland College. The foundation is a private, nonprofit corporation.

Midland College Foundation Board Officers and Directors

Richard T. McMillan, Esq., *President*
Glenn Rogers, D.D.S., *Vice President*
William D. Kleine, *Secretary*

Gregory Bartha, M.D.
Spencer Beal
Mike Black
Jack E. Brown
Arnulfo T. Carrasco, M.D.
Linda Cowden
H. Joseph de Compiegne
Joann E. Foster
Marie Hall
Jim Henry
Tevis Herd, Esq.
Cadell Liedtke
Vangie Lindsey
William Marshall
T.B. O'Brien
Beverly Pevehouse
Clarence Scharbauer III
Steve Thomas, Ph.D.
Carole Warren
Ralph L. Way
Terry Wilkinson
Modesta Williams

Staff

Eileen Piwetz, Ed.D. *Executive Director*
Cynthia Morales, *Administrative Assistant*
Maricela Dominguez, *Secretary*

Midland College Foundation, Inc. • 3600 N. Garfield • Midland, Texas 79705
(432) 685-4526 or email: *foundation@midland.edu*

www.midlandcollegefoundation.org

Officers of Administration

Steve Thomas ..... *President*

Richard Jolly ..... *Executive Vice President*

Rick Bender ..... *Vice President of Administrative Services*

Rita Nell Diffie ..... *Vice President of Student Services*

Rex Peebles ..... *Vice President of Instruction*

Eileen Piwetz ..... *Vice President of Institutional Advancement*

Dennis Sever ..... *Vice President of Information Technology and Facilities*

Bahola Edwards ..... *Assistant to the President/Secretary to the Board*

Stan Jacobs ..... *Associate Vice President of Instruction-Transfer*

Deana Savage *Associate Vice President of Instruction-Career and Technical Education*

Dale Beikirch ..... *Dean of Distance Learning and Continuing Education*

Rebecca Bell ..... *Dean of Public Information*

Michael Chavez ..... *Dean of Enrollment Management*

Terry Clemmer ..... *Dean of Student Services*

William Feeler ..... *Dean of Fine Arts and Communications*

Gavin Frantz ..... *Dean of Business Studies*

Becky Hammack ..... *Dean of Health Sciences*

William Morris ..... *Dean of Social and Behavioral Sciences/Education Studies*

Curt Pervier ..... *Dean of Technical Studies*

Margaret Wade ..... *Dean of Mathematics and Sciences*

Lynda Webb ..... *Dean of Adult and Developmental Education*

Angela Balch ..... *Registrar*

Administrative and Professional Staff

(Year indicates beginning of affiliation with Midland College)

Thomas, Steve, *President*; B.A., Southwest Texas State University; M.A., University of Texas of the Permian Basin; Ph.D., University of Texas at Austin (2008)

Allbright, Mary, *Counselor*; B.A., M.A., University of Texas of the Permian Basin (2008)

Allen, Forrest L., *Athletic Director*; B.B.A., University of Texas of the Permian Basin; M.B.A., Texas Tech University (1995)

Arenivas, Marisol, *Residence Hall Manager;* B.A., Sul Ross State University; M.A., M.Ed., Sul Ross State University (2009)

Baker, Tana, *Director of Student Life*; A.S., Midland College; B.A., University of Texas of the Permian Basin; M.S., Amberton University (1993)

Balch, Angela, *Registrar*; B.B.A., Abilene Christian University; M.Ed., University of North Texas (2008)

Balch, Craig, *Academic Advisor*; B.S., Texas A & M University; M.S. East Texas State University (2008)

Ball, Louisa, *Residence Hall Manager*; B.A., St. Mary's University (1999)

Baquirin, Chris, *PC/Network Technician*; A.A.S., Midland College (2007)

Bednar, Aaron, *Accountant;* B.B.A., Lubbock Christian University (2006)

Beikirch, Dale W., *Dean of Distance Learning and Continuing Education*; B.S., M.S., Kent State University (1999)

Bell, Rebecca, *Dean of Public Imformation*; B.B.A., Texas Tech University; M.A., Webster University (1990)

Bender, Rick, *Vice President of Administrative Services*; CPA; B.Accty., M.Accty, New Mexico State University (1992)

Brooks, Joan E., *PPDC Coordinator;* (2004)

Brown, Jené, *Distance Learning Coordinator*; B.A., University of Texas of the Permian Basin (2001)

Buckley, Daniel, *Webmaster*; B.F.A., Washington University; M.F.A., Southern Methodist University (1986)

Carter, Joe D., *HVAC Maintenance Technician;* (1998)

Cevallos, Sylvia, *Accounts Payable Purchasing Assistant* (1993)

Chalambaga, Melissa A., *HLGCC Coordinator;* B.A., University of North Texas (2009)

Chaparro, Alfredo, *Director of Community Services*; B.B.A., M.S., Texas Tech University (2001)

Chavez, Isidro, *Computer Systems Administrator*; B.B.A., Eastern New Mexico University; M.L.S., Indiana University (1993)

Chavez, Michael; *Dean of Enrollment Management;* B.S., M.S., College of the Southwest; Ed.D., New Mexico State University (2010)

Clement, Laurel, *Career Center Coordinator*; B.A., Southeast Missouri State University; M.A., University of the Permian Basin (2008)

Clemmer, Terry, *Dean of Student Services*; B.A., University of Texas at Austin; M.A., University of Texas of the Permian Basin (1989)

Collins, Jo Aline, *Librarian-Public Services*; B.A., Baylor University; M.L.S., University of Texas at Austin (1976)

Cordero, Brenda, *Associate Director Community Programs Continuing Education*; A.G.S., Midland College (1999)

Corll, Thomas, *Director of Institutional Effectiveness and Planning*; B.S., Wayland Baptist University; M.S., Tarleton State University (2009)

Daniels, Lupe, *Loan Coordinator*; A.S., Midland College; B.A., University of Texas of the Permian Basin (2000)

Deats, John W., *Director of Learning Resource Center*; B.S., University of Houston; M.L.S., North Texas State University (1990)

Deering, Dana, *I.T. Training Specialist*; B.A., University of Texas of the Permian Basin (2001)

Diffie, Rita Nell, *Vice President Student Services*; B.S., M.Ed., Texas Tech University (1991)

Administrative and Professional Staff (continued)

(Year indicates beginning of affiliation with Midland College)

Edwards, Bahola, *Assistant to the President and Secretary to the Board of Trustees*; A.G.S., Midland College; CPS (1982)

Evans, Pervis, *Director, Upward Bound*, B.G.S., Texas Tech University; M.Ed., Sul Ross University; M.S. Texas Tech University (2009)

Farris, Chad., *PPPP Technician; Certificate* (2004)

Feeler, William G., *Dean of Fine Arts and Communications*; A.A., Odessa College; B.A., North Texas State University; M.A., University of Texas at Austin (1989)

Fennell, Barbara, *Purchasing Agen*t (2001)

Finley, Dawn A., *Grants Development Specialist;* B.A., William Penn College; M.A., Texas Tech University (2008)

Flowers, Melinda, *Title V Instructional Designer;* B.S., M.S., Midwestern State University (2009)

Finley, Dawn A., *Grants Development Specialist*; B.A., William Penn College; M.A., Texas Tech University (2008)

Franklin, Lorraine, *Data Center Manager*; A.A.S., Midland College (1997)

Frantz, Gavin, *Dean of Business Studies Division*; A.A.S., Delta College; B.S., Southeastern Oklahoma State University; M.A., Regent University (1998)

Fuller, James, *Assistant Coordinator of Developmental Studies*; A.A., San Angelo College; B.A., North Texas State University; M.A., Texas Tech University (1975)

Garcia, Martin, *Chief of Police;* B.S., University of Texas of the Permian Basin; M.A., Sul Ross State University (1999)

Garza, Christy, *Video Conference Services Manager*; B.S., Lubbock Christian University (2006)

Gatliff, Ginger, *Assistant Women's Basketball Coach*; B.A., York College; M.S.S., Sports Management/ Sports Fitness, United States Sports Academy (2006)

Gibbs, Ryan, *Director of Admissions & Recruitment*; B.A., M.P.A., Texas Tech University (2003)

Gomez, Frances, *Technology Coordinator*; A.S., Texas State Technical College, B.B.A., Sul Ross State University (2003)

Gray, Sylvia, *Instructional Designer*; B.M.E., Phillips University; M.S., Johns Hopkins University (2007)

Grinnan, James S., *Director of Counseling*; B.A., University of Texas at Austin; M.S., Texas A&M University, Licensed Professional Counselor (1996)

Hammack, Becky, *Dean of Health Sciences Division*; A.S.N., B.S.N., Angelo State University; M.S.N., Abilene Christian University; Ed.D., Baylor University; R.N. (2002)

Harris, Karen K., *Technical Program Coordinator*; A.A.S., Midland College (1980)

Hayes, David, *Technical Support Manager*; A.S., American Commercial College (1996)

Hernandez, Edia, *Admissions Advisor*; A.A.S., Midland College; B.A., University of Texas of the Permian Basin (2005)

Hieb, Christopher J., *Graphic Artist*; A.A., Midland College; B.A., University of Texas of the Permian Basin (2001)

Hires, Gary J., *Instructor, Workforce Continuing Education*; B.M.E., Texas Christian University (1993)

Hilva, Mailei, *Assistant's Women's Softball Coach*; B.A., New Mexico State University (2008)

Horseman, Barry, *Director Health Science Continuing Education and Special Projects*; B.A., University of Texas of the Permian Basin (1998)

Inskeep, Katherine A., *Multimedia Developer*; A.A.S, Midland College; B.A., University of Texas of the Permian Basin (2008)

Jackson, Jeri S., *Education & Workforce Coordinator;* (2007)

Jacobs, Stanley, *Associate Vice President of Instruction*; B.F.A., Washburn University; M.F.A., University of Kansas; Ph.D., Texas Tech University (1971)

Jaso, Adriana, *Community Liaison & Academic Advisor*; B.A., University of Texas of the Permian Basin (2001)

Jimenez, Isabel, *Student Support Services Coordinator,* B.A., University of Texas of the Permian Basin (2006)

Administrative and Professional Staff (continued)

(Year indicates beginning of affiliation with Midland College)

Jimenez, Tammie, *Assistant Volleyball Coach*; B.B.A., St. Mary's University; M.M., University of Phoenix (2004)

Jolly, Richard, *Executive Vice President*; B.A., Howard Payne; M.Ed., Ed.D., Texas Tech University (1983)

Jones Micah, *Database Programmer*; B.S.; University of Texas of the Permian Basin (2008)

Jones, Ron, *Compliance Director/Women's Basketball Coach*; B.S.Ed., University of Central Oklahoma; M.Ed., University of Central Oklahoma (1994)

Jordan, Judy, *Student Support Services Project Director*; B.A., Angelo State University; M.A., University of Texas of the Permian Basin (1999)

Kirkland, Terry, *Supervisor of Grounds* (2001)

Lopez, Mary, *Public Relations Coordinator*; A.G.S., Midland College (1984)

Lyons, Sara, *Marketing Representative, Workforce Continuing Education*; B.A., West Texas A&M (2003)

Martinez, Anita, Title V *Transition Specialist, Codgdell Learning Center*; B.S., West Texas A&M University (2008)

Martinez, Jeremy, *Assistant Director of Admissions & Recruitment*; B.A., University of Texas of the Permian Basin; M.A., University of Texas of the Permian Basin (2001)

Mays, Ann, *Help Desk Manager*; A.A.S., Midland College (2000)

McDonald Jeff, *Web Designer*; B.A., University of New Mexico; M.A., University of New Mexico (2008)

McGuire, Paul, *PC/Network Technician*; B.S., Southern Nazarene University (2001)

McIntosh, Dennis, *PC/Network Technician*; A.S., Midland College (2000)

Medrano, Oscar, *Job Placement Coordinator*; A.A.S., Midland College; B.A., Sul Ross State University (2005)

Miranda, Cecilia, *Automation & Technical Services Librarian*; B.S., University of Texas at El Paso; M.A.L.S., University of Wisconsin at Madison (1981)

Morgan, Natasha, *Assistant Director Human Resources*; B.B.A., Texas Tech University (2005)

Morris, William G., *Dean of Social and Behavioral Sciences and Education Studies*; B.A., M.A., University of Colorado; Ph.D., University of Texas at Austin (1982)

Parish, Tammy H., *Assistant Coordinator, Workforce Education Continuing Education*; B.A., Texas Tech University (1996)

Peebles, Rex C., *Vice President of Instruction*; B.A., University of Texas at Dallas; M.A., University of Texas at Arlington; Ph.D., University of Texas at Austin (2005)

Perez, Sean, *Network Security Officer*; A.A.S., Midland College (2001)

Pervier, Charles, *Dean of Technical Studies*; B.S., M.S., North Texas State University (1977)

Pervier, Lyndolyn, *Director, Workforce Continuing Education*; A.G.S., Midland College (1996)

Peterson, Sara, *Title V Curriculum Developer/Language Lab Coordinator;* B.A. University of La Verne, (2010)

Piwetz, Eileen, *Vice President of Institutional Advancement*; B.S.N., Texas Woman's University; M.A., University of Texas of the Permian Basin; Ed.D., Nova University (1981)

Primera, Tanya, *Assistant Director, Helen L. Greathouse Children's Center*; A.A.S., Midland College (2001)

Ramos, Diana, *Academic Advisor;* B.B.A., Angelo State University; M.P.S., Loyola Unversity (2004)

Ramos, Yolanda, *Associate Director of Financial Aid*; A.G.S., Midland College; B.S., Lubbock Christian University (1993)

Rentas, Lori, B*usiness Solutions Accounting Representative*; Workforce Continuing Education, A.S., Midland College (2007)

Riley, Oscar "Kenneth", *Director of Physical Plant*; A.S., Mountain View College; B.A., University of Texas of the Permian Basin (1998)

Rivas, Nancy, *Database Programmer*; A.A.S., Midland College (2008)

Roark, Mike, *Cordinator of Operations Al G. Langford Chaparral Center*; B.B.A., Eastern New Mexico University (1988)

Administrative and Professional Staff (continued)

(Year indicates beginning of affiliation with Midland College)

Rodriguez, Hector, *Assistant Men's Baseball Coach*; B.A., University of Texas at San Antonio (2006)
Ross, Taneekwa, *Upward Bound Coordinator*; B.S., Tulane University (2008)
Saunders, Dessa, *Human Resources Coordinator***;** B.S.B.A, University of West Florida; M.B.A. Ashford University (2009)
Savage, Deana M., *Associate Vice President of Instruction*; B.A., North Texas State University; M.Ed., Texas Woman's University; Ed.D., Texas A&M University, Commerce (1982)
Schroeder, Stacy, *Student Accounts Coordinator* (1989)
Snider, Carolyn, *Accounting Coordinator***,** A.A.S Pikes Peak Community College (1995)
Seanard, Betsy, *Associate Director of Business and Economic Development Center*; B.S., Louisiana State University; M.B.A., University of Texas of the Permian Basin (2003)
Sever, Dennis W., *Vice President of Information Technology and Facilities*; A.A.S., North Harris County College; A.A.S., Midland College; B.B.A., M.B.A., University of Texas of the Permian Basin (1984)
Sharp, Kathy, *Testing Center Coordinator*; B.S., M.L.S., Brigham Young University (2002)
Shelton, Stephanie, *Counselor*; B.A., M.A., University of Texas of the Permian Basin (2008)
Skrobarczyk, Adrienne, *Residence Hall Manager* (2006)
Smith, W. Hoxie, *Director, Petroleum Professional Development Center*; B.S., Colorado State University; M.S., University of Texas of the Permian Basin (2003)
Smith, Wesley, *Director, Transportation Training*; A.S., Howard College (2002)
Snider, Carolyn A., *Accounting Assistant;* A.A. American Institute of Banking (1995)
Soliz, Anthony, *Intramurals Coordinator*; B.S., M.S., Angelo State University (2009)
Stevens, Mike, *Director, Al G. Langford Chaparral Center*; B.S., Texas Tech University (1981)
Swearengin, Kristi, *Technical Supervisor, Breath Alcohol Certification Program Director*; M.S.F.S, University of Alabama, Birmingham (2007)
Thomas, Alison, *Database Programmer*; A.A.S., Midland College (1999)
Thorne, Nancy, *Director of Public Relations*; B.A., University of Texas at Austin, M.A., University of Texas of the Permian Basin (2007)
Tipton, Brenda K., *Director, Williams Regional Technical Training Center, Fort Stockton*; B.B.A., Hardins Simmons University (1995)
Valeriano, Zaira, *Director of Human Resources/Payroll*; A.S.G.S., Midland College; B.B.A., University of Texas of the Permian Basin (1997)
VanCuren, Stephanie, *Student Activities Coordinator*; B.A., University of Texas of the Permian Basin (2008)
Velasquez, Charles, *Network Manager*; B.S., Sul Ross State University (1997)
Velasquez, Crystal M., *DataBase Programmer;* B.S., University of Texas Permian Basin (2006)
Vickery, Julia, *Coordinator of Student Development*; B.A., Graceland College; M.A., University of Kansas (1997)
Vincent, Bobby, *Director of Accounting;* B.B.A., Texas Tech University, CPA; (2004)
Wade, Margaret, *Dean of Mathematics and Science*; B.A., Stephen F. Austin; M.S., Ed.D., Texas Tech University (1990)
Wallace, J. Don, *Director of Media Services, Dollye Neal Chapel, McCormick Gallery & Art Curator*; B.A., University of Texas of the Permian Basin (1997)
Webb, Lynda, *Dean of Adult and Developmental Education*; B.A., Baylor University; M.A., University of Texas at El Paso (1984)
Williams, Dale, *Counselor, Bachelor of Applied Technology*; B.A., M.A., Marshall University (2002)
Williams, Latisha, *Director of Financial Aid*; B.S., Texas A&M University; M.B.A., University of Texas of the Permian Basin (1998)
Williford, Elisa M., *AHEC Director;* B.S., Texas Women's University (2008)
Zenteno, Michael, *Community Outreach Advisor*; B.A., University of Notre Dame (2008)

Full-Time Faculty

(Year indicates beginning of affiliation with Midland College)

Midland College is extremely fortunate to maintain a faculty of dedicated student-centered instructors. The full-time faculty listed here have been assembled as of April 2009 because of their professional expertise and their ability to meet individual student's learning needs. This list will vary somewhat from year to year.

Allen, Diane, *Associate Professor, English*; B.A., Brigham Young University; M.A., University of Texas at El Paso (2004)

Allen, Katherine, *Associate Professor, Speech*; B.A., M.A., Texas Tech University (2001)

Almaguer, Fernando Lee, *Professor, Government*; B.S., Abilene Christian University; M.A., Baylor University (1991)

Anderson, John, *Instructor, Chemistry*; B.S., Southeastern Oklahoma State University; M.S., University of North Texas (1999)

Avalos, Pedro, *Associate Professor, Automotive Technology;* A.A.S., Midland College; B.S., Lubbock Christian University (2009)

Avery, John Doug, *Professor, Economics, Business Administration*; A.G.S., Midland College; B.B.A., M.B.A., University of Texas of the Permian Basin (1999)

Bailey, Carol, *Professor, Art*; B.A., Texas Tech University; M.A., Fort Hays State University (1992)

Belazi, Omar, *Professor, Organizational Management*; B.C., University of Libya; M.B.A., D.B.A., Texas Tech University (1982)

Bewley, Rabon, *Assistant Professor, Instrumental Music*; B.A., Southeastern Oklahoma State University; M.M., Pittsburgh State University (1999)

Bezinque, Kim, *Instructor II*; *Associate Degree Nursing*; B.S.N., Pittsburgh State University; M.S.N., Texas Tech University Health Sciences Center; R.N. (1994)

Boone, Kimberly, *Women's Volleyball Coach*, *Kinesiology Instructor*; B.A., University of Arkansas at Little Rock, A.A., University of Arkansas-Fort Smith (2007)

Branon, Tommy, *Instructor, Assistant Director, Aviation Maintenance;* Certificate, Midland College (2006)

Braselton, Mary, *Director , Associate of Arts in Teaching;* B.S., University of Texas at Austin, M.A. West Texas A& M., Ed.D, Texas Tech University (2009**)**

Braun, Julianne, *Associate Professor, Chemistry*; B.S., Salem College; Ph.D., Wake Forest University. (2008)

Brown, Elizabeth, *Program Director*, *Diagnostic Medical Sonography*; A.A., Northeastern Oklahoma A&M College; B.S.R.T.(N), B.S.R.T.(U), University of Oklahoma Health Sciences Center; M.S.R.S., Midwestern State University; R.D.M.S. (2000)

Brown, Sylvia, *Professor, Business Systems*; A.A.S., Midland College; B.S., Lubbock Christian University; M.B.A., Grand Canyon University, Microsoft Certified Master Instructor (1995)

Bryant, Gordon Lynn, *Assistant Professor, Energy Technology*; B.S., Texas Tech University; M.Ed., Wayland Baptist University (2008)

Callo, Paula, *Associate Professor, Vocational Nursing*; Diploma, School of Nursing of the Church Home and Hospital of the City of Baltimore; B.S.P.A., Saint Joseph's College; R.N. (2005)

Carrillo, Mary, *Instructor, Mathematics*; B.S., College of the Southwest (2001)

Christensen, Deon, *Professor, Professional Pilot Program*; B.A., Phillips University; M.S., University of Texas at Dallas (2001)

Coleman, David, *Baseball Coach, Kinesiology Instructor*; A.S., Vernon Jr. College; B.S., Lubbock Christian University; M.Ed., Texas A&M University (2006)

Coombs, Kerry, *Program Director*, *Veterinary Technology*; A.S., Rick's College; B.S., Brigham Young University; D.V.M., Colorado State University (1994)

Cornell, Simon, *Assistant Professor, Government*; B.A., M.A.T. Florida Atlantic University, University of Texas at Arlington (2008)

Crain, Jeff, *Professor, Organizational Management*; B.S., Youngstown State University; M.B.A., City University; Ph.D., The Union Institute (2004)

Full-Time Faculty (continued)

(Year indicates beginning of affiliation with Midland College)

Cralle, Laura, *Assistant Professor, Associate Degree Nursing*; A.A.S., Odessa College; B.S.N., Texas Tech University Health Sciences Center; M.S.N., The University of Texas at El Paso; R.N. (2008)

Cranford, Scott, *Instructor, Welding Technology;* A.A.S., Midland College

Davis, Tracy, *Assistant Professor*, *Emergency Medical Services*; Certificate, Clovis Community College; Diploma, Covenant School of Nursing; B.S.N., Lubbock Christian University; L.P., R.N. (2009)

DeLaO, Frank V., *Assistant Professor*, *History*; B.A., Texas A&M University: M.A., University of Texas of the Permian Basin (2001)

Decker, Dee Ann, *Program Director*, *Vocational Nursing*; A.A.S., Amarillo College; B.A., University of Texas at Austin; B.S.N., West Texas State University; M.S.N., University of Texas at El Paso; R.N. (2005)

Dixon, Michael, *Instructor, Mathematics*; B.S., M.A., University of Texas of the Permian Basin (1999)

Dummer, Terry, *Professor, Information Technology*; A.A.S., Midland College; B.A., University of Texas of the Permian Basin (1996)

Durham, L.C.,*Program Director, Professional Pilot Program*; A.G.S., Midland College (2003)

Edens, David, *Assistant Professor, Psychology and Sociology*; M.A., University of Texas of the Permian Basin; B.A., M.S., Abilene Christian University (2004)

Elderkin, Nicholas, *Instructor, Music*; B.Mus., Mount Allison University; M.M., D.M.A., Texas Tech University (2007)

Elias, Daniel, *Instructor, Biology*; B.S., McMurry College, M.S., Texas Southern University (2007)

Fields, J. Michael, *Program Director, Cosmetology*; A.A., El Paso Community College, Texas Cosmetology Operator/Instructor License (2004)

Fitzgerald, Laurie, *Clinical Director, Diagnostic Medical Sonography*; A.A.S., Midland College; R.N., R.D.M.S. (2008)

Ford, Sonia, *Assistant Professor, Mathematics*; B.S., M.A., Eastern New Mexico University (2002)

Gandy, Tracy, *Program Director, Energy Technology;* A.S., University of Louisiana at Lafayette (2009)

Garner, Daniel, *Assistant Professor, Automotive Technology*; A.A.S., New Mexico Junior College (2002)

Gasch, Derek, *Instructor, Computer Graphics;* A.S., A.A.S., Midland College (2009)

Gawloski, Joan, *Instructor, Geology;* B.S., Indiana University of Pennsylvania; M.S., Baylor University (2009)

Gilmour, Terry, *Professor, Government*; B.S., M.A., West Texas State University; Ph.D., Texas Tech University (1997)

Goodyear, Russell, *Professor, English, Humanities, and Spanish*; B.A., Henderson State University; M.A., Ph.D., University of Arkansas (1993)

Groth, Janet, *Assistant Professor Economics, Government and Mathematics*; B.S., M.Ed., Southwest Texas State University; M.A., Sul Ross State University (2008)

Hammond, Lori, *Associate Degree Nursing;* Certificate, Western Texas College; A.A.S., Austin Community College; M.S.N., Texas Tech University Health Sciences Center; R.N.(2009**)**

Hargrove, Steve, *Instructor, Automotive Technology*; A.A.S., Odessa College (2002)

Hart, Leland, *Program Director, Emergency Medical Services*; A.A.S., Midland College; L.P. (2006)

Herd, Chesly, *Program Director, Alcohol Drug Abuse Counseling*; B.S., M.Ed., Sul Ross State University (2005)

Hernandez, Tomas O., *Instructor, Biology*; B.S., M.S., Sul Ross State University (1995)

Herring, Amy, *Associate Professor, Information Technology*; B.B.A., M.Ed., Texas Tech University (2004)

Hinds, Claudia, *Assistant Professor, Biology*; B.S., M.S., Colorado State University (1991)

Hodge, Ross, *Men's Basketball Coach, Kinesiology Instructor;* B.S., M.S., Texas A&M University of Commerce (2009)

Hooker, Carla, *Assistant Professor, Vocational Nursing*; A.A.S., Howard College, R.N. (2003)

Houck, Michael L. Todd, *Professor, History*; B.A., M.A., Ph.D., Texas Tech University (2002)

Full-Time Faculty (continued)

(Year indicates beginning of affiliation with Midland College)

Howell, Pamela R., *Professor, English*; B.A., Southern Arkansas University; M.A., Ph.D., Texas Christian University (1983)

Hutchison, Kathleen, *Instructor, Health Sciences Continuing Education*; A.A.S., Midland College, R.N. (2005)

Hutson, Heather, *Instructor, Associate Degree Nursing*; A.A.S., Odessa College; B.S.N., Texas Tech University Health Sciences Center; M.S.N., University of Phoenix; R.N. (2005)

Johnson, J. Doug, *Professor, Information Technology*; A.A.S., Midland College; B.S., University of Texas at Arlington; M.S., Tarleton State University (1999)

Jolliffe, Teresa, *Assistant Professor, English*; B.A., M.A., Texas Tech University (2001)

Jones, Diana, *Associate Professor, Vocational Nursing*; B.S.N., University of Texas Health Science Center at Houston; R.N. (2007)

Jones-Gassaway, Susan, *Professor; Associate Degree Nursing*; B.S.N., West Texas State University; M.S., Corpus Christi State University; R.N. (1996)

Jordan, Michael, *Professor, Music*; B.M.Ed., University of New Mexico; M.M., University of Colorado; M.A., University of Texas of the Permain Basin; D.M.A., University of Michigan (1981)

Keesee, Rebecca Lea, *Assistant Professor II, Associate Degree Nursing*; B.A., Texas A&M University; B.S.N., Texas Tech Health Sciences Center; M.S.N, West Texas A&M University; R.N. (2001)

Kelly-Penny, Linda, *Professor, Mathematics*; B.A., M.S., Texas A&M University (1999)

Kennedy, Damon, *Assistant Professor, History*; B.A., M.A., University of Texas of the Permian Basin, Ph.D., Texas Tech University (2006)

Koonce, Lucinda, *Instructor, Associate Degree Nursing;* A.A.S., Cisco Junior College; A.A.S., Howard Junior College; B.S.N., Texas Tech Health Science Center; R.N.(2010)

Kuhn, J. Mark, *Program Director, Fire Science Technology;* A.A.S., Midland College; A.S., B.A., Southeastern Louisiana University (2009)

Kundomal, C. Kyle, *Instructor, Mathematics;* B.S., Eastern New Mexico University; M.S., Texas Tech University (2009)

Leach, Ann, *Program Director, Kinesiology*; B.S., Iowa State University; M.Ed., Sul Ross State University (2000)

Ledbetter, Dan, *Professor, Welding Technology*; B.S., North Texas State University; M.S., East Texas State University (1999)

Lindsey-Hicks, Glenda, *Professor, English*; B.A., University of Oklahoma; M.A., Ph.D., Oklahoma State University (1981)

Lothringer, Joan, *Instructor, Health Sciences Continuing Education*; R.N., Methodist Hospital School of Nursing (2006)

Lumpkin, Adriana, *Professor, Information Technology*; B.S., Sul Ross State University; M.S., Capella University (1999)

Luna, Norma, *Instructor, Vocational Nursing*; A.A.S., Midland College R.N. (2008)

Madewell, Cindy, *Instructor, Associate Degree Nursing*; A.A., Tulsa Community College; B.S.N., University of Oklahoma Health Sciences Center; M.S.N., University of Texas at El Paso; R.N. (2007)

Makowsky, Michael, *Associate Professor; Geography and International Studies;* B.A., Texas Tech University:, M.A., University of Texas of the Permian Basin (1999)

Mangum, Paul D., *Professor, Biology*; B.S., M.S., Ph.D., Texas Tech University (1995)

Marshall-Gray, Paula, *Associate Professor History and Anthropology*; B.G.S., M.A., Ph.D., Texas Tech University (2007)

Matthews, Ethel, *Instructor, Biology*; B.A., Our Lady of the Lake University; M.S., University of Texas of the Permian Basin (1994)

Mauricio, Duberlinda, *Instructor, Spanish, Language Lab Coordinator*; B.A., M.A., University of Texas of the Permian Basin (2007)

McCampbell, Dennis, *Instructor, Transportation Training*; *EMT Basic, Certificate Instructor; EMS Teaching Certificate Instructor* (2005)

Full-Time Faculty (continued)

(Year indicates beginning of affiliation with Midland College)

McKenzie, Laura, *Associate Professor, English*; B.A., Eastern New Mexico University; M.A., University of Texas of the Permian Basin (2001)

Mertens, Marlana, *Associate Professor, Biology*; B.S., M.S., University of Texas San Antonio, (2009)

Meshirer, Shawnda, *Assistant Professor II, Health Information Technology*; A.A.S., Midland College; R.H.I.T., C.C.S. (2008)

Middleton, Stan, *Clinical Director, Respiratory Care*; A.A.S., Midland College; B.S., University of Texas of the Permian Basin; R.R.T., R.C.P. (1995)

Mikeska, Sonya, *Athletic Trainer*, *Kinesiology*; B.S., M.S., Angelo State University (1996)

Miller, David, *Instructor, Professional Pilot Program*; A.A.S., Midland College (2006)

Mock, Lynn, *Associate Professor, Associate Degree Nursing*; A.A.S., Amarillo College; B.S.N., West Texas State University; M.S.N., University of Texas at El Pasco; R.N. (2001)

Morris, Sonya, *Assistant Professor I*, *Vocational Nursing*; A.A.S., Midland College; R.N. (2008)

Moss, B. Kent, *Professor, Communications*; B.F.A., Murray State University; M.F.A., Southern Methodist University (1985)

Munoz, Lloyd, *Associate Professor, Aviation Maintenance*; B.S., Southeastern State College (2007)

Nicholson, Gena, *Instructor, Mathematics*; B.S., University of Texas at Austin (2001)

O'Hara, Thomas, *Professor, Physics*; B.S., University of Texas at Austin; M.S., Ph.D., Louisiana State University (1978)

Pape, B. Karen, *Associate Professor, English; Director*, *Writing Lab*; B.A., M.A., University of Texas of the Permian Basin (1996)

Patterson, Craig, *Associate Professor, Professional Pilot Program*; A.T., B.S., Kansas State University; M.A.S., Everglades University (2002)

Patterson, Donna, *Associate Professor, Modern and Classical Languages;* B.A., M.A., Texas Tech University (2000)

Peetz, M. Helen, *Assistant Professor, Associate Degree Nursing*; B.S.N., University of Texas Health Science Center at Houston; M.S.N., Texas Tech University Health Sciences Center School of Nursing; R.N. (1999)

Peetz, Robert, *Professor, Criminal Justice*; A.A.S., Central Texas College; B.S., M.C.J., American Technological University (1982)

Penz, Ed, *Program Director, Long Term Care*; Diploma, Illinois Masonic Medical Center School of Nursing; B.S.N., M.S.N., DePaul University; Licensed Nursing Facility Administrator, R.N. (1999)

Pickett, Vickie, *Professor, Information Technology*; A.G.S., Midland College; B.S., M.B.A., University of Texas of the Permian Basin (1998)

Poage, Miranda, *Assistant Professor, Biology*; B.S., Texas Tech University, Ph.D., National University of Ireland, Maynooth (2009)

Poss, Delnor, *Golf Coach*, *Kinesiology*; B.B.A., Hardin-Simmons University; M.Ed., Sul Ross University (1977)

Prado, Fred, *Instructor, Transportation Training;* Certificate, MTA Schools (2002)

Radtke, James, *Instructor, Aviation Maintenance;* Certificate, Midland College (2009)

Ramos, Thomas, *Softball Coach*, *Kinesiology*; A.G.S., Midland College; B.S., University of Texas of the Permian Basin (1989)

Ready, Thomas, *Assistant Professor, Chemistry*; B.S., University of Texas at El Paso; Ph.D., University of Massachusetts (2006)

Reeves, Charlene, *Assistant Professor I, Associate Degree Nursing*; A.A., College of the Desert; B.S.N., M.S.N., West Texas A&M University; R.N. (2008)

Reeves, Norman, *Associate Professor, Vocational Nursing*; B.S.N., West Texas A&M University; M.S.N., University of Southern Indiana; R.N. (2006)

Richards, Sondra, *Assistant Professor, Government*; B.S., M.P.A., Texas A&M University; Ph.D., University of Houston (2006)

Roberts, Geneo, *Instructor, Associate Degree Nursing*; A.A.S., Odessa College; B.S.N., M.S.N., Texas Tech University Health Sciences Center; R.N. (2005)

Full-Time Faculty (continued)

(Year indicates beginning of affiliation with Midland College)

Roome, Tracy, *Instructor, Coordinator-Manor Park Child Care Center;* A.A.S., Odessa College (2000)

Roberts, Jaroy, *Instructor, Air Conditioning, Heating, and Refrigeration*; A.A.S., Odessa College (2008)

Rosen, Andree, *Professor, Paralegal*; B.A., University of Texas at Austin; J.D., St. Mary's University (1998)

Sanchez, Connie, *Instructor, Mathematics*; B.S., University of Texas of the Permian Basin, A.S., Midland College (2007)

Schneider, G. Michael, *Assistant Professor, Psychology and Sociology*; A.A., Cypress Junior College, B.A., California State University at Fullerton; M.A., University of Northern Colorado (1991)

Severino, Joseph, *Assistant Professor, Mathematics*; B.A., Austin College; M.S., Texas Tech University (2005)

Shellenberger, Anita, *Assistant Professor, Information Technology*; A.A.S., Midland College (1999)

Steiner, Valerie, *Interim Program Director, Associate Degree Nursing*; A.A.S., Midland College; A.A., Fullerton Community College; B.A., California State University; M.A., Central Michigan University; M.S.N., University of Texas at El Paso; R.N. (1998)

Stephens, Sylvia, *Associate Professor II, Cosmetology*; A.A.S., Odessa College, B.B.A., University of Texas of the Permian Basin; Texas Cosmetology Operator/Instructor License (2005)

Stotts, Rita, *Program Director, Child Care and Development; Director, Helen L. Greathouse Children's Center and Manor Park Child Care Center*, A.G.S., Midland College (1986)

Sumners, Ted, *Program Director, Automotive Technology*; A.S.G.S., Midland College; B.A.A.S., Texas State University (2001)

Taylor, Warren, *Professor, Art*; B.F.A., Bethany College; M.A., M.F.A., Fort Hays State University (1979)

Teel, Melinda, *Program Director, Health Information and Technology*; A.A.S., South Plains College; B.S.H.I.M., Texas State University; R.H.I.A., C.C.S. (2004)

Templeton, R. Bob, *Allison Chair of Journalism*; B.S., East Texas State University; M.J., North Texas State University (1986)

Thomas, Lori, *Instructor, Mathematics;* B.S., Metropolitan State College; M.S., University of Central Oklahoma (2009)

Thompson, Donna T., *Professor, Psychology*; B.A., Michigan State University; M.A., Ph.D., University of California at Los Angeles (1990)

Tindall, Tyler, *Professor, Speech*; B.S., M.A., West Texas A&M University; Ed.D., Texas Tech University (1977)

Valladares, Julio, *Assistant Professor, Chemistry*; M.S., Ph.D., University of Western Ontario (2007)

Vest, Karen, *Instructor, Mathematics*; B.S., Southeastern Louisiana College (2000)

Villarreal, Marty, *Assistant Professor, Information Technology*; A.A.S., Midland College; CCNA, Certified Cisco Network Associate; CCAI, Certified Cisco Academy Instructor (2005)

Waggoner, Karen, *Assistant Professor, Geology*; B.S., The University of the Permian Basin; M.S., Bowling Green State University; Ph.D., Texas Tech University (2007)

Watson, Rebecca T., *Professor, English*; B.A., M.A., University of Oregon (1975)

Weidmann, Robert, *Program Director, Respiratory Care*; B.S., Southern Utah University; R.R.T., R.P.F.T., R.C.P. (1984)

Westfall, Dale, *Professor, Business Administration*; B.B.A, M.B.Ed., West Texas State University (1979)

Williams, Mary, *Associate Professor, English*; B.A., Texas Tech University; M.A., University of Texas of the Permian Basin; Ph.D., Texas Tech University (2001)

Willis, Joseph, *Assistant Professor, Speech*; B.A., Eastern New Mexico University; M.A., Texas Tech University (2004)

Wood, Peggy, *Professor, English as a Second Language*; B.A., University of North Colorado; M.Ed., Colorado State University (1989)

Zabel, Andrea C., *Professor, Psychology and Sociology*; B.A., Texas Tech University; M.S., Angelo State University; Ed.D., Texas Tech University (1990)

Full-Time Lab Faculty

(Year indicates beginning of affiliation with Midland College)

Midland College is extremely fortunate to maintain a faculty of dedicated student-centered instructors. The full-time lab faculty listed here have been assembled as of April 2010 because of their professional expertise and their ability to meet individual student's learning needs. This list will vary somewhat from year to year.

Berry, Jay, *Automotive Technology;* A.A.S., Midland College (2007)
Cochran, Cindy, *Biology*; A.A., Odessa College, B.S., Texas Tech University (1998)
Goll, David, *Professional Pilot Program*; B.S., Kansas State University (2004)
Horton, Eric, *Professional Pilot Program*; B.S., Kansas State University (2008)
Lanier, Karen, *Journalism;* A.G.S., Midland College; B.A., University of Texas of the Permian Basin (1994)
Peterson, Sara, *Title V Curriculum Developer/ Language Lab Coordinator;* B.A., LaVerne University, (2010)
Reinhold, William, *Professional Pilot Program*; A.A.S., Spartan College of Aeronautics (2007)
Robbins, Lynn, *Veterinary Technology*; A.A.S., Midland College (2007)
Robinson, Sandra, *Biology*; B.S., Texas A&M University; M.S., University of Texas Health Sciences Center at Houston (2006)
Scharf, Nancy, *Information Technology*; A.A.S., Midland College (1993)
Schenkman, Melissa, *Veterinary Technology*; A.A.S., Midland College, R.V.T (2006)
Segovia, Raquel, *Information Technology*; A.A.S., Midland College (2002)
Upchurch, Glenda, *Accounting;* A.A.S., Midland College (1996)

2010 Teaching Excellence Award Winners
Claudia Hinds** and **Valerie Steiner

Adjunct (Part-time) Faculty

Midland College gratefully acknowledges the following individuals who serve as adjunct faculty members as of April 2010. This list may vary in different semesters according to student needs.

ADULT AND DEVELOPMENTAL EDUCATION

Alvardo, Roy, B.A., Texas Tech University
Brannon, Alma, B.S., East Central University
Calloway, Tina, B.S., Universiry of Houston
Cultreri, Susan, B.S., University of Dallas
Foreman, Francis, B.S., Wayland College; M.E., Texas Tech University
Holland, Nita, B.S., Texas A&M Universiry
Jones, Karen, B.S., Abilene Christian College
Leonard, Margaret, B.A., Arizona State University; M.A., University of Texas of the Permain Basin
Lynch, Mary, B.S., University of Texas of the Permain Basin
Madison, Judy, B.S., The Universiry of Texas of the Permain Basin
Nicholson, Karen, B.S., Southwest Texas State College; M.Ed., University of Texas at Austin
Robinson, William, M.S., Texas Tech University
Salas, Pablo, B.S., Sul Ross State University
Schroeder, Ronald, B.S., University of Texas Arlington
Skidmore, Scott, B.S., Angelo State University; M.B.A., Texas Tech University
Tervooren, Dale, B.A., M.Ed., North Texas State University

ALCOHOL AND DRUG ABUSE COUNSELING

Dorethy, Daniel, B.A., University of Texas of the Permian Basin; M.Ed., Sul Ross University
Infante, John, B.A., University of Texas of the Permian Basin
Meyer, Ronald, M.Div., Lutheran Theological Seminary Philadelphia; D.Min, Texas Christian University

ANTHROPOLOGY

Aleman, Lacey L., M.L.A., St. Edwards University, B.F.A., Texas State University

ART

Higginbotham, Julie, B.A., University of North Texas; M.A., University of Texas of San Antonio
Holland, Dana, B.A., Southern Methodist University; M.A., Southwest Texas State University
Randle, Susan, M.A., Fort Hays State Universiry
Vickery, Eric, B.F.A., University of Kansas; M.F.A., Texas Tech University

AUTOMOTIVE

Campbell, Lance, A.A.S., Midland College

AVIATION MAINTENANCE

Hernandex, Ricardo, Airframe and Powerplant

BIOLOGY

Belizaire, Amelia, B.S.N., Niagra University
Coombs, Robin, B.S., Brigham Young University
Kelso, Bethany, M.S., University of the Permian Basin
Larson, Greg, B.S., Eastern Illinois University; M.S., University of Texas of the Permian Basin
Meraz, Rosalva, B.S., Sul Ross State University

BIOLOGY (Cont.)

Vickery, Julie, M.A., University of Kansas

CHILD CARE AND DEVELOPMENT

Munden, Leisha, B.S.E., Eastern New Mexico University; M.A., University of Texas of the Permian Basin
Primera, Tanya, A.A.S., Midland College

COMPUTER GRAPHICS TECHNOLOGY

Baker, Vanessa, A.A.S, Midland College
Gasch, Derek, A.A.S., Midland College
Smith, Brian, A.A.S., Midland College

CONTINUING EDUCATION

Allen, Katherine, B.A., M.A., Texas Tech University
Anderson, John, B.S., Southeastern Oklahoma State University
Casias, Ida, B.B.A., Sul Ross State University
Cooper, Brian, Texas Real Estate Broker
Firkins, Kathy, B.S., Lubbock Christian University
Frederickson, Bill, Master Electrical License
Gore, Donna, Texas Real Estate Broker
Herring, Amy, M.E., B.B.A., Texas Tech University
Houk, Gene, A.G.S., Midland College
Lanier, Bob, B.S., Accounting, University of Central Oklahoma
Lovan, Gwen, LLI Certified Facilitator/Trainer
Love, Joan, B.A., Business Administration
McCourt, Caren, B.A., University of Texas of the Permian Basin, Texas Real Estate Broker, CPM GRI, ASR
McMorries, Brandon, A.A.S., Midland College
Mills, Claude, Master Electrician License
OWunna, Eze, High National Diploma in Agriculture, College of Agriculture, Owerri, Nigeria, M.S., Environmental Science, Old Dominion University, Virginia
Reddy, Thomas, B.A., University of Texas at El Paso; Ph.D., University of Massachusetts
Routh, William, M.S., B.S., West Texas State University; Master Electrical License
Saunders, Margaret, B.B.A., Texas Tech University; M.S. University of Texas of the Permian Basin
Stewart, Misty, Miller Heiman Management of Strategic Sales Graduate, Leadership Rapport Graduate, American Red Cross Instructor Certification—CPR/First Aid
Velasquez, Crystal, B.S., University of Texas of Permian Basin, Computer Science

COSMETOLOGY

Aaron, Johnnie, Cosmetology Instructor License
Brown, Barbara, Cosmetology Instructor License
Ingram, Geri, Cosmetology Instructor License

DRAMA

Crow, Rebecca, B.A., Eastern Oregon University; M.F.A., Purdue University
Giebler, Judith, B.A., M.A., Kansas State University
Taylor, Edward, B.A., Grand Canyon University; M.F.A., University of Louisville

Adjunct Faculty (continued)

ECONOMICS

Franks, Hugh, B.S., University of Houston; M.A., Texas Tech University

EDUCATION

Gray, Sylvia, B.M.E., Phillips University, M.S., Johns Hopkins University

EMERGENCY MEDICAL SERVICES

Baker, Olen, EMT-P
Cruz, Brian, EMT-P
Dean, James, EMT-P
Gardner, James, EMT-P
Gonzalez, Ismael, EMT-P
Hamilton, John, EMT-P
Heredia, Jr., Manuel, EMT-P; Certificate, Midland College
Hoppman, Norman M., EMT-P
Ivy, Dustin W., EMT-P
Ligon, Lee, EMT
Mackey, Don, EMT-P
MacPherson, Derek, EMT-P
Martin, Bill, EMT-P; B.S., Southwest Texas University
McClure, Mat, EMT
Murray, Michael R., EMT-P
McGary, Brian, EMT-P; Midland College
Niggeler, Gillian, EMT-P
Phiffer, Derek M., EMT-P
Rodriquez, Trey, EMT-P
Tully, Jr., Michael J., EMT-P
Wells, Ronald, EMT
Woodward, Michael A., EMT-P

ENGLISH

Brazell, Lois, B.S., Texas Woman's University; M.Ed., Abilene Christian University; M.Ed., University of Texas of the Permian Basin
Cline, Judith, B.A., M.A., University of Texas of the Permian Basin
Cullen, Bayta, B.S., University of Texas of Austin; M.A., University of Texas of the Permian Basin
Fitts, Claudia, B.S., M.Ed., Sul Ross State University
Griffin, Horace, B.A., Southwestern University; M.A., Texas Tech University
Hart, Nancy L., B.A., University of Texas at Austin; J.D., University of Georgia
Knight, Josh, B.A., University of Texas at Austin; M.A., Texas Tech University
Koesjan, Lily, B.M., M.Ed., West Texas State University; M.A., University of Texas of the Permian Basin
Mendez, Constance, B.A., M.A., University of Texas of the Permian Basin
McWilliams, Ashleigh, M.A., Texas Tech University
Nolte, Katherine, B.A., M.F.A., Wright State University
Nunley, Elizabeth, B.A., M.A., University of Texas of the Permian Basin
Porter, Alison, B.A., McMurry College, M.A., Texas Tech University
Sexton, Janet Kaye, B.A., M.A., University of Texas at Austin
Sowell, Rebel, B.A., University of Texas of the Permain Basin
Walker, Geoff, B.A., Texas Tech University; M.A., University of Texas of the Permian Basin
Williams, Leslie, M.A., Trinity University; Ph.D., University of Houston

ENGLISH (Cont.)

Woodward, Jane, B.A., M.Ed., Sul Ross University
Zachary, Susan, B.S., Texas Christian University; M.A., Southern Methodist University
Zachry, Katanna, M.A., University of Texas at El Paso

ENGLISH SECOND LANGUAGE

Flowers, Melinda, B.S., M.S., Midwestern State University

FIRE SCIENCE

Glass, Howard, A.A.S., Midland College
Muller, Robert, A.A.S., Howard College

GEOLOGY

Brewster, Nancy, B.S., University of California Santa Cruz; M.S., University of Texas of the Permian Basin
Cuffey, Clifford, B.S., Pennsylvania State University; M.S., University of Oklahoma
Erskine, Woody, B.S., Northwestern University

GOVERNMENT/POLITICAL SCIENCE

Aldana, Manuel, Ph.D., University of Minnesota
Arnold, John, M.S.S., Mississippi College
Gonzales, Maria, M.A., University of Texas of the Permian Basin
Hightower, Christopher, M.A., Sul Ross State University
Sims, Randy, M.A., Sul Ross State University

HEALTH INFORMATION TECHNOLOGY

Aaron, Elaine, RHIT, B.B.A., American Intercontinental University
Jones, Jamie, RHIA, B.S., Tennessee State University
Powell, Krista, R.N., B.S.N., Hardin Simmons University
Roberts, Jody, RN, M.S.N., Texas Tech University
Waddell, Kimberly, RHIT, B.A.S., Texas State University

HEALTH SCIENCES CONTINUING EDUCATION

Atchison, Angela, Nurse Aide Clinical Assistant, Midland College, LVN 2007
Brown, Elizabeth, MSRS, RDMS, Midwestern State University
Corbett, Sherry, RN, BSC, University of Alberta
Faught, Brenda, B.S., Lubbock Christian University
Fowler, Pat, LVN, Waterbury, CT
Fryar, Thomas, RPH, BBA, East Texas State University; B.S., Southwestern State University of Oklahoma
Geerts, Holly B., LPN, Teche Area Vo-Tech, New Iberia, LA, LVN, Texas
Grenvick, Diane, A.A.S., Midland College
Hart, Leland, A.A.S., Midland College; L.P.
Herring, Kim, LVN, Odessa College
Hudspeth, Mary, Nurse Aide Instructor, Midland College, LVN 1995
Hutchison, Kathleen, High School Health Instructor, Midland College, RN 2004
Kemp, Keisha, LVN, Midland, College
Lothringer, Joan, RN, Methodist Hospital School of Nursing
Martinez, Donna, CPR Certified Instructor, Midland Memorial Hospital

Adjunct Faculty (continued)

HEALTH SCIENCES CONTINUING EDUCATION (Cont.)

Middleton, Stan, A.A.S., B.S., RRT, RCP, University of Texas of the Permian Basin
Penz, Edward, RN, CNA, BC, M.S, B.S.N., DePaul University
Reed, Cheryl, Massage Therapy Business Instructor, Austin School of Massage, MT 2008
Reeves, Norm, B.S.N., West Texas A & M University; M.S.N., University of Southern Indiana; R.N.
Romero, Yolanda, Phlebotomy
Stotts, Rita, A.G.S., Midland College
Taylor, Kim, Massage Therapy Instructor, Odessa College, LMT, LMTI, 2007
Ticer-Masters, Debi, Mammography Instructor, Midland College, ARRT, MKT, 1992
Thomas, Johnnie, Massage Therapy Instructor, Austin School of Massage, LMT, LMTI, 1991
Torello, Penelope, CPOA, Certified Para Optometric, ABOC, American Board Certified Optician; AOA, American Optimetric Associate Certified (Registered Para Optometric)
Weidmann, Robert, RRT, RPFT, RCP, Southern Utah State College

HISTORY

Arnold, John, M.S.S., Mississippi College
Buck, Christopher, M.A., University of Texas of the Permian Basin
Holland, Thomas, Ed.D., University of North Texas
Hurt, Randy, M.L.S., North Texas State University
Johnson, Cathy, M.A., Baylor University
Little, Terry, M.A., University of Texas of the Permian Basin
Scarbrough, Cary, M.A., Sul Ross State University
Wilson, Susan, M.A., University of Texas of the Permian Basin
Young, Jennifer, M.A., University of Texas of the Permain Basin

HUMANITIES

Cain, Beth, B.A., University of Texas of Arlington; M.S., University of North Texas

KINESIOLOGY/PHYSICAL EDUCATION

Armstrong, Lance, B.B.A., Texas Christian University
Brian, Chris, B.A., University of Texas of the Permian Basin
Cox, Royce, M.Ed., West Texas State University
Flowers, Mindy, M.S., Midwestern State
Gatliff, Ginger, B.A., York College
Greene, Jamaal, B.A., M.S. Harding University
Hodge, Shelly, M. P. H., East Tennessee State University
Menzel, Mira, B.A., Texas Tech University
Riggs, John, M.B.A., San Diego State University, B.S.B.A., California State College
Rodriguez, Hector, B.S. University of Texas at San Antonio
Rojas, Richard L., B.S., Sul Ross State University
Speight, Becky, B.B.A., Texas Tech University
White, Dana, B.B.A., New Mexico State University

LONG TERM CARE ADMINISTRATION

Mileski, Michael, B.A., University of South Florida

MATHEMATICS

Cranford, Sara, B.S., M.Ed. Texas A&M University
Duran, Sarah, B.S., Texas A&M University; M.A., Alliant International University
Jimenez, Alfonzo Ray, B.S., Texas Tech University
McCarty, Lois, B.A., College of Saint Mary; M.Ed., University of Texas of the Permian Basin
Page, Celia, B.A., University of Arlington
Robinson, William, M.S., Texas Tech University
Tervooren, Dale, B.A., M.Ed., North Texas State University
Willis, Barbara, B.S., Eastern New Mexico University

MODERN AND CLASSICAL LANGUAGES

FRENCH

Leshnower, Susan, A.B., University of Illinois-Urbana; M.A., University of Chicago

SPANISH

Coronado-Salinas, Elsa, B.A., University of Texas-Permian Basin, M.A., University of North Texas
Gonzalez, Ilda, M.A., University of Texas at San Antonio
Heard, Patricia, A.B., Duke University; M.A., Southwest Texas State University
Nelson, Elizabeth G., B.A., M.A., Texas Tech University
Norred, Elena, B.A., National University of Peru; M.A., University of Texas of the Permian Basin
Santana, Jose Luis, B.A., Sonoma State University; M.A., University of New Mexico
Sears, Joan, B.A., M.A., Texas Tech University
Woodside, Vanessa, B.A., University of California-Santa Barbara; M.A., University of New Mexico

MUSIC

DeLavan, William, B.M.E., Texas Tech University
Garner, Colin, B.M.Ed., Colorado University; M.M., University of Southern California
Garza, Brigido, B.M.E., Texas Tech University
Griffin, Ruth Ann, B.A., University of North Texas
Miller, Mary, B.A., New Mexico Highland University
Moss, Vivian, B.Ed., University of Hawaii
Puga, John Richy, West Texas State University
Pysh, Greg, B.M., Youngstown State University; M.M., Bowling Green State University
Santorelli, Michael, B.M.Ed., Murray State University; M.M., University of Louisville
Santorelli, Shari, B.M., Eastman School of Music; M.M., University of Louisville

NURSING-ASSOCIATE DEGREE

Crist, Cheryl, RN; M.S.N., Texas Tech University Health Sciences Center
Cuny, Cynthia, RN; B.S.N., West Texas State University
Derrick, Jr., William, RN; A.A.S., Midland College
Kuenstler, Donna, RN; M.S.N., University of Phoenix
Mitchell, Teresa, RN; University of Kentucky
Reeves, Lenaya, RN; B.S.N., Midwestern State University
Scott, Patricia, RN; B.S.N., Texas Tech University Health Sciences Center
Williams, Pam, RN; A.A.S., Midland College
Woody, Yvette, RN; A.A.S., Midland College

Adjunct Faculty (continued)

NURSING-VOCATIONAL

Geerts, Holly, LVN; Certificate, La Technical College
Harper, Wendy, RN; A.A.S., Midland College
Khaki, Mary, RN; A.A.S. Odessa College
Roberts, Rebecca, RRT; A.A.S., Odessa College

PETROLEUM PROFESSIONAL DEVELOPMENT

Cultreri, Jasha, B.S. in Geophysics and Physics, New Mexico Tech
Gantz, Durward K., B.S., New Mexico State University
Garza, Albert, Texas State Technical Institute
Gilkerson, G. Ernest, BBA, The University of Texas at Austin; JD, The University of Texas
Gill, Thaddeus E., B.S., Midwestern University; B.S., University of Texas at Austin
Harris, Jeffrey G., University of Louisville and University of Arkansas
Hinterlong, Gregory D., B.S., University of Cincinnati
Lufholm, Peter H., B.A., University of Minnesota at Duluth; M.S., Northern Arizona University
Payne, Celia D., ENMU Business School; New Mexico Jr. College
Porter, William L., B.B.A., Texas Tech University

PHILOSOPHY

Liggett, James, M.Div,. Episcopal of Divinity School
Franks, Jerry, Ph.D., University of Texas at Austin

PHYSICS:

Kerr, Andrew, Ph.D., University of Missouri-Columbia

PSYCHOLOGY

Carlisle, Joseph, M.A., University of Texas of the Permian Basin
Clement, Laurel, M.A., University of Texas of the Permian Basin
Cohen, Melissa, M.Ed., University of Florida
Fuentes, Mildred, M.A., Sul Ross State University, Ph.D., Walden University
Keller, Amberlyn, B.S., York College (NE), M.A., University of Texas of the Permian Basin
Martin, Roger, M.A., University of Texas of the Permian Basin
Satyavada, Sarada, M.A., University of Texas of the Permian Basin
Shelton, Stephanie, M.A., University of Texas of the Permian Basin
Tucker, Barbara, M.Ed., Sul Ross State University

RADIOGRAPHY

Duggan, Glen, RT (R)(T); A.A.S., Midland College
Hirt, Steven, RT (R); A.A.S., Midland College
Hughes, Marlon, MD; B.S., Northwest Nazarene College; A.A.S., M.D., Harvard Medical School
Humphrey, Doug, RT (R) ; A.A.S., Midland College
Lopez, Esther, RT (R); A.A.S., Midland College
Lopez, Joe, RT (R); A.A.S., Midland College
Masters, Debi, RT (R); A.A.S., Midland College; A.A.S., Howard College
Moore, Robin, RT (R) (M); A.A.S., Midland College
Myers, Brandon, RT (R); A.A.S., Midland College
Orozco, Karen, RT (R); A.A.S., Midland College
Pinson, Holly, CNMT
Rodriguez, Jose, RT (R); A.A.S., Midland College

RADIOGRAPHY (Cont.)

Sanchez, Danny, RT (R)
Schaneman, Tori, RT (R); A.A.S., Midland College
Smith, Liz, RT (R); A.A.S., Labetta Community College
Swopes, Jason, RT (R); A.A.S., Midland College
White, Kelly, RT (R); A.A.S., Mesa State College

READING

Cobb, Shauna, B.A., Eastern New Mexico State University; M.A., University of Texas of the Permain Basin
Reid, Katherine, B.A., Trinity University; M.Ed., Miami University
Springer, Lane, B.S., Texas Woman's University
Talbott, Lyn, B.A., University of South Florida
Stone, Shirley, B.A., B.A. McMurry College
Woodward, Jane, B.A., M.Ed., Sul Ross State University

RESPIRATORY CARE

Wood, Melissa, RRT; A.A.S., Midland College

SOCIOLOGY

Nichols, Joe, M.A., West Texas State University

SPEECH

Anderson, Joy, B.A., Lubbock Christian University; M.A., Texas Tech University
Griffin, Horace, B.A., Southwestern University; M.A., Texas Tech University

VETERINARY TECHNOLOGY

McArthur, Jan, A.A.S., Midland College
Spencer, Kelly, A.A.S., Portland Community College

WELDING TECHNOLOGY

Cranford, Scott, A.A.S., Midland College
Teagarden, Dean, A.A.G.S., Midland College

2010-2011 Academic Calendar

2010

2011

STUDENT ORIENTATION

July 13, 14, 15	JumpStart Early Registrations Two Sessions per Day (Register on the WEB at www.midland.edu)

2010 FALL SEMESTER

June 1 - July 29	Early Advising & Schedule Development
July 26 - Aug. 27	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
August 2 - 27	Walk-in Registration starts at 8:00 am - Payment due at the time of registration
August 16 - Sept. 3	Chaps Dual Credit Registration starts at 8:00 am - Payment due at the time of registration
August 23 -27	Late Registration; Faculty and Staff Meetings
August 27	Last Day to Drop and Obtain 100% of Refundable Fees (See Refund Policy)
August 28	Residence Hall move-in after 10:00 am
August 30	First Class Day
Aug. 30 - Sept. 2	Schedule Changes - partial refund (See Refund Policy)
Aug. 30 - Oct. 1	Submission of Application for Fall Graduation (See Graduation Section of Catalog for more information)
September 6	Holiday (Labor Day)
September 15	Census Day
November 15	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) for Winter Interim & Spring - Payment due at the time of registration
November 19	Last Day to Withdraw
November 24	College closes at 5:00 pm for the holiday (Thanksgiving: November 25 - 26)
November 29	Class Instruction Resumes; Campus Connect On-Line Registration for Winter Interim and Spring starts at 8:00 am (www.midland.edu) - Payment due at time of registration
December 6	Walk-in Registration starts for Winter Interim & Spring at 8:00 am - Payment due at the time of registration
December 13 - 16	Final Examinations; Grades Due
December 17	Semester Ends; Residence Hall closes at 12:00 pm; College Administrative Offices close for the holiday at 5:00 pm (Christmas: Dec. 20 - 31)

2010-2011 WINTER INTERIM SESSION

Nov. 15 - Dec. 17	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
December 6 - 17	Walk-in Registration starts at 8:00 am - Payment due at the time of registration
December 13 - 17	Late Registration - Payment due at the time of registration
December 20	First Class Day
December 21	Census Day
December 24	Holiday (Christmas)
December 30	College closes at 3:00 pm for the holiday (New Year's Day: January 1)
January 3	Administrative Offices open; Last Day to Withdraw
January 7	Final Examinations; Grades Due

2011 SPRING SEMESTER

Nov. 15 - Jan. 14	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
Dec. 6 - 17	Walk-in and Chaps Dual Credit Registration starts at 8:00 am - Payment due at the time of registration
January 3	Administrative Offices open; Walk-in and Chaps Dual Credit Registration resumes.
January 10 -14	Late Registration - Payment due at the time of registration; Faculty and Staff Meetings
January 14	Last Day to Drop and Obtain 100% of Refundable Fees (See Refund Policy)
January 15	Residence Hall Move-in after 10:00 am
January 17	Holiday (Martin Luther King Day)
January 18	First Class Day
January 18 - 21	Schedule Changes - partial refund (See Refund Policy)
Jan. 18 – Mar. 1	Submission of Application for Spring Graduation (See Graduation Section of Catalog for more information)

2010-2011 Academic Calendar

2010

February 2	Census Day
March 11	College closes at 5:00 pm for the holiday (Spring Break: March 14 - 18)
March 21	Class Instruction Resumes
April 15	Last Day to Withdraw
April 21	College closes at 5:00 pm for holiday (Easter: April 22 - 25)
April 26	Class Instruction Resumes
April 26 starts	Campus Connect On-Line Registration for Spring Interim, Summer I & II at 8:00 am (www.midland.edu) Payment due at the time of registration
May 2	Walk-in Registration for Spring Interim, Summer I &II starts at 8:00 am – Payment due at the time of registration
May 9 - 12	Final Examinations; Grades Due
May 13	Semester Ends; Graduation Ceremony (Langford Chaparral Center, 7:00 pm)
May 14	Residence Hall closes at 12:00 pm

2011 SPRING INTERIM SESSION

April 26 - May 13	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
May 2 - 13	Walk-in Registration starts at 8:00 am - Payment due at the time of registration
May 9 -13	Late Registration - Payment due at the time of registration
May 16	First Class Day
May 17	Census Day
May 27	Last Day to Withdraw
May 30	Holiday (Memorial Day)
June 2	Final Examinations; Grades Due

2011 SUMMER SESSION I

April 26 - June 2	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
May 2 - June 2	Walk-in Registration starts at 8:00 am - Payment due at the time of registration
May 31 - June 2	Late Registration - Payment due at the time of registration
June 2	Last day to Drop and Obtain 100% of Refundable Fees (See Refund Policy)
June 6	First Class Day
June 6 - 30	Submission of Application for Summer Graduation (See Graduation Section of Catalog for more information)
June 9	Census Day
July 4	Holiday (Independence Day)
July 5	Last Day to Withdraw
July 13	Final Examinations; Grades Due

2011 SUMMER SESSION II

April 26 -July 13	Campus Connect On-Line Registration starts at 8:00 am (www.midland.edu) Payment due at the time of registration
May 2 - July 13	Walk-in Registration for Spring Interim, Summer I &II starts at 8:00 am - Payment due at the time of registration
July 6 - 13	Late Registration - Payment due at the time of registration
July 13	Last day to Drop and Obtain 100% of Refundable Fees (See Refund Policy)
July 14	First Class Day
July 20	Census Day
August 11	Last Day to Withdraw
August 19	Final Examinations; Grades Due

2011

All dates are subject to change at any time prior to or during an academic term due to emergencies or causes beyond the reasonable control of the institution, including severe weather, loss of utility services, or orders by federal or state agencies. Please review dates in respective class schedules.

NOTE: Course selection and registration is only guaranteed if the course(s) has been paid for as stated on the student's Statement of Account or in the semester schedule of classes. Midland College reserves the right to withdraw students from any and all courses at any time. Reasons for withdrawal may include but are not limited to the following: Non-paid accounts, Disciplinary Actions, TSI Requirements, Housing Violations, prerequisites or Co-requisites.

Statement of Purpose

Mission

Midland College is a comprehensive public community college dedicated to educational excellence. The faculty and staff are committed to instruction that sustains a life-long quest for knowledge and provides students with academic, intellectual, occupational, and professional proficiency-including knowledge in and appreciation of the arts and sciences; critical thinking; clear and effective communication; problem solving; and technical skills. The College serves the diverse learning communities of its region by providing a range of flexible programs from community service and enrichment to the baccalaureate degree.

Goals

1. Midland College will provide an academic and occupational focus for business and professional learning environments through the following options:
    - Certificates in career and technology programs
    - Transfer coursework and Associate of Arts and Associate of Science degrees
    - Associate of Applied Science degree
    - Bachelor of Applied Technology degree
2. Midland College will provide flexible educational opportunities by combining traditional methods with effective and innovative teaching methods, including interactive distance learning, computer-based instruction, and developmental assessment and response.
3. Midland College will respond to community, business, professional, and regional needs by providing credit, non-credit, and continuing education courses; workforce training; community service; and cultural opportunities.
4. Midland College will provide student services to reduce barriers to success and strengthen efforts in student retention.
5. Midland College will cooperate with other institutions and agencies through articulation agreements and the University Center in seeking and creating new avenues for student access to post secondary education.
6. Midland College will provide services which create and support a strong infrastructure, such as accounting and business services, campus security, human resources, campus planning and evaluation, physical plant operation and maintenance, technology support, student services, and media services.

The Four Presidents of Midland College

Dr. Al Langford *(MC's first President),*
Dr. Jess Parrish *and* ***Dr. David Daniel***
join
current President, ***Dr. Steve Thomas***
for this
rare photo opportunity.
(standing, from left , Dr. Steve Thomas
and Dr. David Daniel; seated,
Dr. Al Langford and Dr. Jess Parrish)

History of Midland College

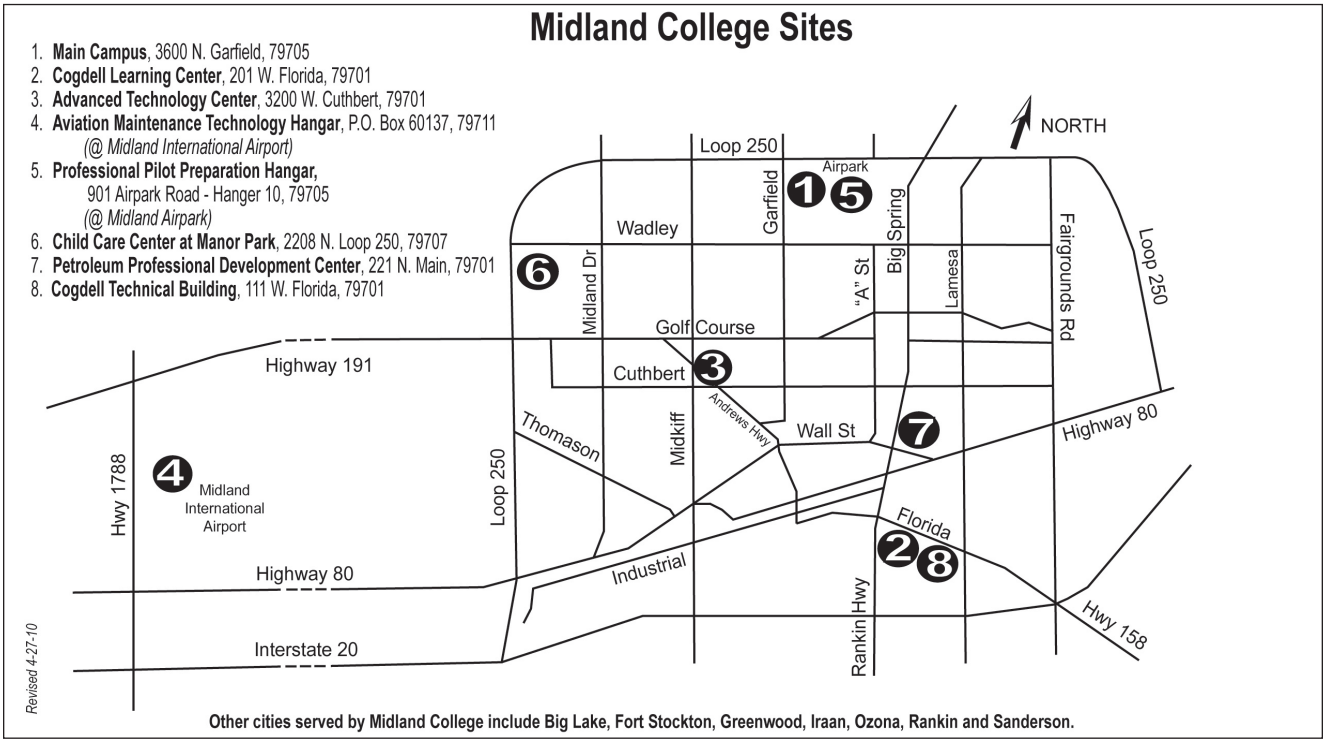
Midland College began in September 1969 as the Midland campus of the Permian Junior College system. It was re-created in **1972** with **the formation of the Midland College District**. Bonds in the amount of $5,100,000 were issued for the construction of a **115 acre campus**. Ground breaking at the new campus was held October 23, **1973**. In **1975**, spring semester classes were held in the new buildings. The Pevehouse Administration Building (which holds the I. A. O'Shaughnessy Presidential Suite and the Orpha Olsen Gibson Board Room), the Abell-Hanger Science Faculty Building and the Maintenance Facility were the forerunners of the complete campus. The Murray Fasken Learning Resource Center, the Dorothy and Clarence Scharbauer, Jr. Student Center (which houses the Harriet and Harvey Herd Faculty Lounge and the Carrasco Room), the Technology Center and the Physical Education Building were completed for the Fall 1975 semester. With an eye for continued growth, enrollment and programs, the Allison Fine Arts Building, including the McCormick Gallery and the Wagner & Brown Auditorium, an addition to the Technology Center and the Al G. Langford Chaparral Center with a seating capacity of 5,000, were dedicated in **1978**.

A residence hall for athletes was built in **1983**. The Davidson Family Health Sciences Building, including the Davidson Lecture Hall and the original Helen L. Greathouse Children's Center, was completed for the **1985** Fall semester. Landmarks of the Midland College campus are the beautiful Hodge Carillon Tower, the Marian Blakemore Memorial Fountain and the Mr. and Mrs. Carlton Beal Plaza. **Fifty-six additional acres were purchased in 1988.**

A twelve-court tennis center is the result of a joint project of the City of Midland and Midland College. Six new courts were added in **1991**. In the fall of 1991, an addition doubling the size of the Scharbauer Student Center was completed, and in **1992**, the Cogdell Learning Center was established. The Williams Regional Technical Training Center of Fort Stockton opened in **1996** and was dedicated in 2002. The Davidson Distinguished Lecture Series was also established in 1996. Midland College West was added in **1997**. **Fifty-three acres north of the campus were purchased in 1999**, yielding a campus of 224 acres. Also in 1999, O'Shaughnessy Hall, a women's residence hall, was dedicated, and the Phyllis & Bob Cowan Performing Arts Series was established.

The Advanced Technology Center, including the Franz Weis Industrial Technology Center and the Elizabeth & Herb Blankinship Lecture Hall, and a men's residence hall opened in **2000**. The Jack E. Brown Dining Hall and the Dorothy and Todd Aaron Medical Science Building, including The Gregory Bartha, M.D. Atrium, were opened in **2001**. The Nadine & Tom Craddick Resident Hall was dedicated in **2003** and the Dollye Neal Chapel and Hall's Way, a pedestrian bridge between Midland College and Midland Community Theatre, were dedicated in **2004**. The Petroleum Professional Development Center was acquired and renovated; the Cogdell Learning Center was renovated; and the Fox Science Building, including the Joseph Earnest Daniel Lobby, was dedicated in **2005**. A $41.8 million bond was also issued for the expansion of learning facilities and campus improvements, and the college was accredited as a Level II (four-year) institution to offer a Bachelor of Applied Technology degree. In 2006, construction began on the bond projects. The Pedestrian Mall, the Cogdell Learning Center renovation and the Maintenance Facility were completed in **2007**. The F. Marie Hall Academic Building was completed and dedicated in **2008**. The new Helen L. Greathouse Children's Center and the Phase II of the Fox Science Building were completed in **2009**, and in **2010** the Scharbauer Student Center, Physical Education Building and the Cogdell Learning Center were renovated.

Midland College Sites



The Midland College (MC) main campus is located at 3600 North Garfield, Midland, Texas. MC also has a variety of sites and facilities throughout its service area including the Williams Regional Technical Training Center, an accredited branch campus, located in Ft. Stockton. In addition to the sites described in the following, MC offers limited classes at public school facilities in the communities of Big Lake, Greenwood, Iraan, Ozona, Rankin and Sanderson.

Advanced Technology Center

The Midland College Advanced Technology Center (ATC) is a unique educational venture involving Midland College, the Midland Independent School District, and a number of community partners. The ATC, located at 3200 W. Cuthbert in Midland, delivers workforce education programs that support the development of a skilled technical workforce for Midland and the Permian Basin. The facility contains more than 80,000 square feet of instructional space that features high-tech computer classrooms with Internet access, multimedia classrooms, and a tiered lecture hall.

Educational programs and courses taught at the ATC include all aspects of computer information technology; industrial technology emphasizing welding technology, metallurgy, and automotive technology; and entry-level health services. State-of-the-art equipment in all instructional areas provides students with "high-tech, high-touch" instruction and hands-on application of skills.

The ATC also enables Midland-area residents to further enhance their technical skills through industry-recognized certifications and other continuing education opportunities. The Midland College Workforce Training Department, located at the ATC, offers customized short-term courses and training as requested by Permian Basin businesses and industries. For information regarding the ATC, visit www.midland.edu/atc or telephone (432) 697-5863.

Franz Weis Industrial Technology Center

The Franz Weis Industrial Technology Center and accompanying exhibit are located at the Midland College Advanced Technology Center, adjacent to the Automotive Technology laboratory. The exhibit depicts the life and works of Franz Weis, a master engine builder who resides in Midland. Between 1965 and 2001, Mr. Weis built engines for Indy-type racing cars that won 107 races, including cars driven by Jim Hall, Al Unser, Sr., Bobby Rahal, Emerson Fittipaldi, Arie Luyendyke, and Al Unser, Jr. Mr. Weis won the Vandevell Engine Builder of the Year award for 1987, 1988, 1989, and 1990. The Franz Weis Industrial Technology Center is used for special high school and college automotive classes as well as industry training for automotive technology professionals. For additional information regarding the Franz Weis Industrial Technology Center, telephone (432) 697-5863.

Aviation Maintenance Technology Hangar

The Aviation Maintenance Technology program is located at Midland International Airport, Hangar E, 2405 Windecker. An advanced state-of-the-art training facility, this site offers students training on actual aircraft. The program offers certificates in Airframe Maintenance and Powerplant Maintenance. Upon successful completion of training, students are qualified to take Federal Aviation Administration (FAA) examinations for Airframe or Powerplant licenses. For information regarding the Aviation Maintenance Technology Program, visit www.midland.edu or telephone (432) 685-4799 or (432) 563-8952.

Cogdell Technical Building

The Codgell Technical Center (CTB), located at 111. E. Florida next to the Midland College Cogdell Learning Center, is an advanced training facility offering hands-on training in diesel technology. The program offers basic and advanced college credit certification as well as Continuing Education classes. For information regarding the Cogdell Technical Building and classes that are offered, please call (432) 620-0246 or (432) 685-4676.

Cogdell Learning Center

Established in 1992 as a presence in South Midland, the Cogdell Learning Center has as its mission providing quality learning and life-enhancing opportunities through programs that effectively address the unique needs of South and East Midland residents. The Center serves as a gateway to Midland College and other community resources for individuals who wish to further pursue personal, career, and academic goals.

The Cogdell Learning Center is located at 201 W. Florida, and its services include: community outreach; free GED and English as a Second Language (ESL) classes, adult literacy tutoring, basic computer classes; business counseling and technical assistance. Cogdell staff provides assistance with college and career planning, admissions, registration and the financial aid process, including advice on completing the Free Application for Federal Student Aid (FAFSA). The Cogdell Learning Center also administers the Bill Pace Cogdell Scholarship developed specifically to support individuals whose education re-entry began at this site. Beginning in Fall 2010, the college will offer a limited number of credit and non-credit courses in a new classroom building at this facility.

Cogdell features a state-of-the-art lecture hall with interactive mulitmedia equipment. For additional information regarding the Cogdell Learning Center, visit www.midland.edu/cogdell or telephone (432) 684-4100.

Petroleum Professional Development Center

The Petroleum Professional Development Center (PPDC) of Midland College was created through the consolidation of the Permian Basin Graduate Center and Midland College's Petroleum Geotechnology Training Center. Housed in the Jack G. Elam Building located at 221 N. Main Street in downtown Midland, the center is a state-of-the-art educational facility designed specifically for the regional oil and gas industry. The center provides unique programs developed for working geoscientists, petroleum engineers, landmen, accountants, and field operations personnel and offers industry updates to area oil and gas professionals. The PPDC is one of seven mid-career training centers worldwide recognized by the American Association of Petroleum Geologists (AAPG). For additional information regarding the PPDC, visit www.midland.edu/ppdc or telephone (432) 683-2832.

Professional Pilot Preparation Hangar

The flight instruction portion of the Professional Pilot Preparation Program is headquartered in Hangar 10 at Midland Airpark, 901 Airpark Road. In addition to providing shelter for the program's many aircraft, the hangar houses a state-of-the-art flight simulator, offices for flight instructors and an operations and dispatch area. For additional information, visit www.midland.edu or telephone (432) 685-4668.

Williams Regional Technical Training Center

The Midland College Williams Regional Technical Training Center (WRTTC), located at 1309 West I-10 in Fort Stockton, was built in 1996 to advance higher education in the region and to enhance workforce development. The WRTTC was approved by the Southern Association of Colleges and Schools as the first branch campus of Midland College in 1998. In 2000, the facility size was doubled as a result of an aggressive community fundraising initiative.

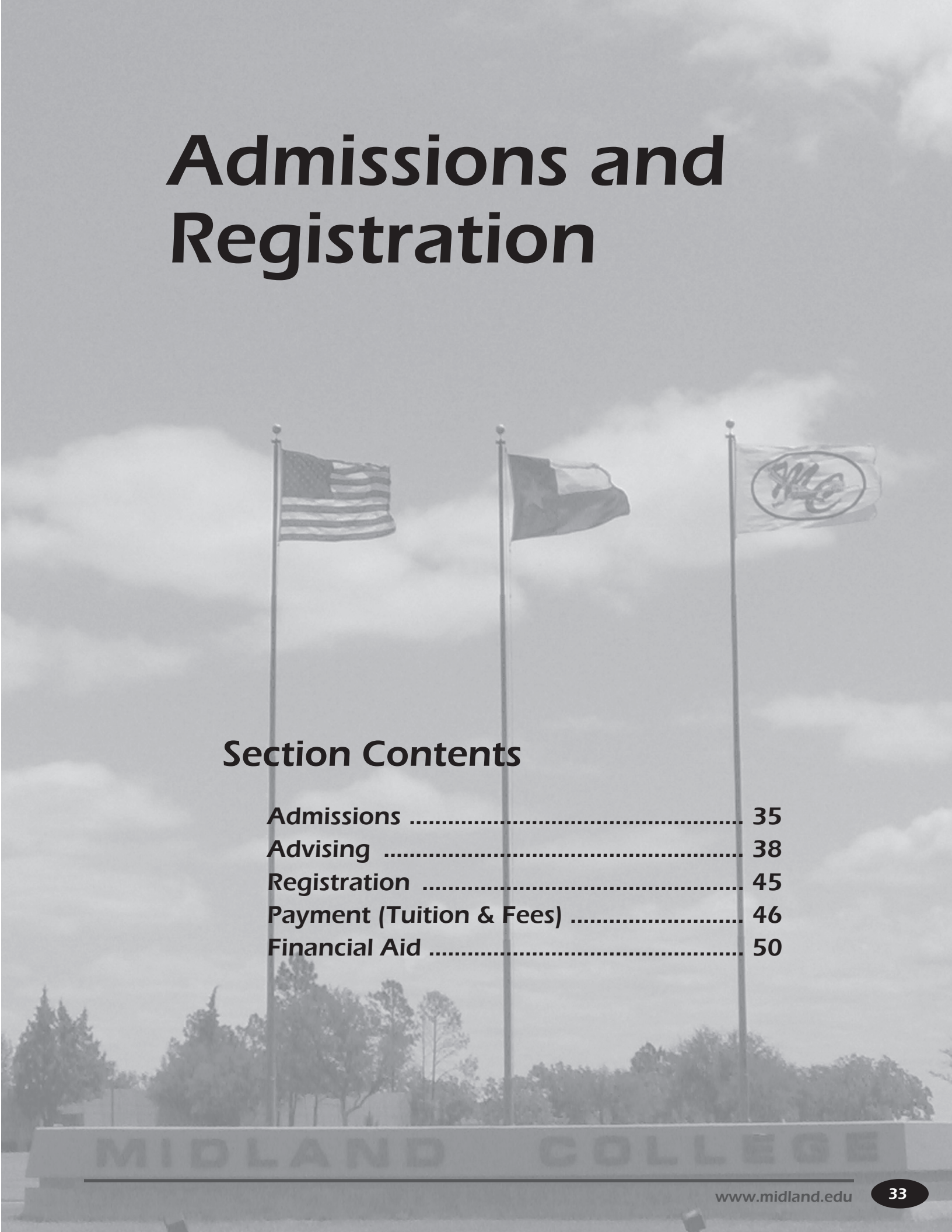
The WRTTC campus serves its students through university parallel and occupational/technical certificate and associate degree programs, a wide variety of continuing education offerings, and programs offered in collaboration with the Fort Stockton Independent School District (FSISD). Offerings are supported by advanced instructional technology, interactive television and computerized distance learning technology which link many WRTTC programs to the Midland College campus.

The WRTTC worked with the Midland College Health Sciences Division to begin a program that brings LVN's to Registered Nursing status within one year. This new program is servicing LVN students throughout the region to work to provide Registered Nurses for this vast rural area.

For additional information regarding the WRTTC, visit www.midland.edu/wrttc or telephone (432) 336-7882.

*Midland College's **Williams Regional Technical Training Center** in Fort Stockton*

Admissions and Registration



Section Contents

Midland College's 4-step Enrollment Process

1 Admission

Determine your entry status and residency and submit application and transcripts.

Advising 2

Visit with a counselor to identify interests, testing needs and degree plan.

3 Registration

Register ONLINE through Campus Connect or during walk-in registration at the Scharbauer Student Center.

Campus Connect
www.midland.edu

Payment 4

Pay your tuition bill using financial aid earned or take advantage of one of several payment methods.

Midland College Application for Admissions

Thank you for applying to Midland College!

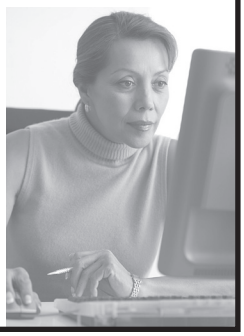
We are now using the Apply Texas Online Application

If you have not created a user profile with the Apply Texas site, you will need to do so before applying to Midland College.

The link below will take you to instructions on how to get started at Apply Texas.

https://www.midland.edu/admissions/application-form.php

Apply Texas Application



Apply In-Person or Online

1 Admissions

Determine your entry status and residency and submit application and transcripts.

Midland College maintains an admissions policy which ensures that all persons who can profit from post-secondary education have an opportunity to enroll. Students begin the admission process by completing an application, available online at www.midland.edu and in the Admissions Office. Applicants may assume admission acceptance after all requirements are met. All inquiries should be addressed to the Office of Admissions, (432) 685-6426. Please remember that being admitted to Midland College does NOT guarantee admission to certain specific programs of study. Specialized programs usually have additional qualification requirements. Applicants should consult with the division dean or a counselor/advisor for details concerning admission to these programs.

Immunizations Requirements

Midland College does not require proof of immunization against communicable diseases except for students enrolled in certain health-related occupations and for those who live in on-campus housing. Students should contact the division dean of the appropriate program or the Student Life Director. Information about the risks of communicable diseases is published elsewhere in this catalog.

Basis of Admission

Midland College reserves the right to require academic documentation for any applicant. A student's eligibility for re-enrollment at his/her previous institution may be a consideration for admission at Midland College.

High School

Graduates from accredited Texas high schools or equivalent institutions are eligible for admission. Proof of high school graduation is required and must be documented. Proof of graduation may include an official high school transcript.

Early Admission Program

Midland College will consider high school students between the ages of 16 to 18 on the basis of individual merit with school district and parental permission.

Dual Enrollment

Midland College has entered into agreements with certain school districts allowing high school students to earn both high school and college credit for selected courses. Students at Midland High School, Robert E. Lee High School, Greenwood High School, Midland Christian School and Trinity School may participate in this program. For more information, students should contact their high school or Midland College counselor/advisor. Similar programs exist at out-of-district sites. Also, the Midland College web page has complete information on the Dual Credit registration process. Go to the following webpage address: http://www.midland.edu/admissions/dual credit.

Early College High School

Midland College, in partnership with Midland Independent School District, offers an early college high school. The high school starts with the 9th grade and is housed on the Midland College campus. Students begin taking dual credit courses in the second semester of their freshman year. Students must be eligible for dual credit and are selected through a process determined by the Midland Independent School District.

Home School

Home-schooled high school students seeking admission as regular students are required to:

1. be at least 16 years of age and be classified as a junior or senior level student;
2. complete the Midland College Admission Application;
3. provide an Early Admission Permission Form signed by the parent;
4. comply with all Texas Success Initiative testing requirements and Midland College placement testing requirements.
5. provide an official transcript which must meet all Texas Education Agency (TEA) standards.

Students will be required to have a Midland College counselor/advisor approve their schedule each time they enroll or change their schedule.

Examination

Students may be admitted upon satisfactory completion of the General Education Development (GED) test. A certification statement of satisfactory completion of the GED is required for admission and must be documented with the official GED scores.

Individual Approval

Individuals who are 18 years of age or older and do not have a high school diploma or GED may be admitted without examination at the discretion of Student Services administrators at Midland College. Transcripts from previous high schools attended, together with tests and other devices, may be used in lieu of high school graduation. Students admitted on individual approval without a GED or high school diploma are not eligible to receive Title IV federal financial assistance.

International Students

International students are welcome at Midland College. Admission is contingent upon the evaluation of the following criteria and upon Midland College's ability to serve the individual needs as determined by the college's representatives. Students from other countries must submit:

1. an application for admission;
2. a transcript from the last school or college attended (must be the equivalent of a United States high school graduate); the official transcript must be translated into English and must show each course and the grade earned;
3. demonstrated proficiency of the English language: TOEFL score of 525 or Internet-based score of 70; successful completion of one year or two consecutive semesters of English courses; or approval by the International Student Counselor;
4. proof of financial responsibility.
5. proof of insurance policy covering repatriation and medical evacuation. Policies available through Midland College.

It is highly suggested that students coming from non-English speaking countries be required to take an ESL course their first semester at Midland College.

International students must abide by Midland College rules as well as additional federal and state guidelines. Prospective international students must file completed applications with all required forms and a $20 non-refundable application fee. Send the fee, in the form of a check or money order payable to Midland College, to the Director of Counseling. An I-20 form will be issued to the student when the above qualifications have been met. International students must enroll and complete at least 12 semester hours of course work each semester. For further admission information go online www.midland.edu/admissions/international.

Right of Appeal

Persons who are denied admission to the College may appeal to the Student Admissions Committee. Contact the Vice President of Student Services for information on the appeal process.

Audit

A student may contract with an instructor to enroll in a credit course as an audit (non-credit) student. An audit student will not receive a final grade or credit for the audited course. The student is required to pay full tuition and additional fees. Audit status is determined at the time of registration and no later than the census date of the semester of enrollment.

Academic Fresh Start

Residents of Texas who seek admission to a state college or university have the option of electing to have course work taken ten or more years prior to enrollment count as usual or to be ignored for admission purposes. Students electing to have course work ignored may not receive credit for any courses taken ten or more years prior to enrollment. Those hours ignored can be used as a basis for exemption from the Texas Success Initiative.

Excess Undergraduate Credit Hours (Texas Education Code 61.0595)

A Texas resident who has taken more semester credit hours than the minimum required for a bachelor's degree may be required to pay non-resident tuition rates for the excess hours. Attempted hours include all hours earned at public community colleges and universities, but do not include developmental or technical education hours.

Students enrolled before the Fall 2006 have a limit of 45 semester credit hours above the minimum required for the Bachelor's degree. Students enrolled beginning in Fall 2006 have a limit of 30 semester credit hours above the minimum required for a Bachelor's degree. Additional information provided in the Texas Education Code 61.0595.

Transfer Students

Midland College accepts college-level transfer courses with a grade of "D" or better earned from accredited colleges and universities. Please note: some degree plans require a minimum grade of "C" to meet degree requirements. See degree plans in catalog for details. Transfer coursework is evaluated by the end of the semester in which the transcript is received for all students other than those who are transient or non degree seeking. Transfer credit is granted only for work (a) completed at a regionally accredited institution, (b) evaluated by a recognized foreign transcript evaluator, or (c) completed at an approved institution. Transfer courses from Texas institutions with a Common Course Number and drawn from the Academic Course Guide are accepted. Courses found in the Workforce Education Course Manual may also be accepted. Courses not included in 3) above are evaluated based on content and semester credit hours with consultation with and approval of instructional administration as needed.

Transfer students are required to provide official copies of all transcripts from every college or university previously attended. As transcripts from accredited colleges and universities are received, they are evaluated in the Registrar's Office. A copy of that evaluation is sent to the student at the address recorded in the student files. Continued enrollment is contingent on receipt of all transcripts.

Reverse Transfer Degree Program

Baccalaureate graduates from an accredited college or university may receive an Associate in Applied Science degree from Midland College upon successful completion of 30 semester hours of courses within a technical specialty area, any prerequisite leveling courses as determined by the appropriate dean and general education requirements. Students interested in the program should consult with a counselor in Student Services.

Transfer to Other Colleges

Students planning to transfer to another college after attending Midland College should contact a counselor/advisor.

Students should select a major field of study and a college or university which offers a bachelor's degree in that field. A Midland College counselor or advisor will help students select Midland College courses corresponding to those they would take at the college or university.

Students should check with the senior college or university regarding admission requirements and transfer regulations and should arrange for the Midland College Registrar to send an official transcript.

Transfer Appeal Process

Following are procedures for the resolution of disputes involving the transfer of courses from Midland College to other public institutions in Texas.

1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied. A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.
2. A student who receives notice as specified may dispute the denial of credit by contacting a designated official at either the sending or receiving institution.
3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Texas Higher Education Coordinating Board rules and guidelines.
4. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution that denies the course credit for transfer shall notify the Commissioner of Higher Education of its denial and the reasons for the denial.
5. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
6. The Higher Education Coordinating Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner's designee.
7. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner of Higher Education, who may investigate the course. If its quality is found to be unacceptable, the Higher Education Coordinating Board may discontinue funding for the course.

Transfer Agreement Partners

Midland College partners with area universities to provide special transfer opportunities just for Midland College students. These transfer agreements are designed to provide Midland College students a seamless transfer to those institutions.

Depending on the institution, students can expect a variety of benefits including: special admissions coordination to the universities, early degree planning, access to upper-level advising, and access to the institutions' online student website, to name just a few.

The programs also provide for the retroactive awarding of an associate degree from Midland College. This process allows hours completed at the upper-level institution to be transferred back to Midland College to complete an associate degree program.

Each university may have varying additional admission requirements. Your advisor at Midland College can help you identify those requirements.

The four current transfer agreement programs are:

- Angelo State University's ***Access ASU*** Program
- UT Permian Basin's ***Direct Connect*** Program
- Texas Tech University's ***Pathway*** Program
- UT Dallas ***Comet Connection*** Program

For more information on these partner programs, call (432) 685-5502.

2 Advising

Visit with a counselor/advisor to identify interests, testing needs and degree plan.

Advising and Counseling

Scharbauer Student Center Hours

Fall & Spring

Monday-Friday 8 a.m. - 5 p.m.

Monday-Thursday, Counselor/Advisor available until 6:30 p.m.

Summer

Monday-Thursday 7 a.m. - 5 p.m.

Counselor/Advisor available until 6:30 p.m.

Midland College provides a professional staff to help students with academic, personal and career counseling, financial aid, and international student advising.

Academic advisement is provided regarding appropriate major and course selection, study habits, developmental work and transferring to other colleges or universities. Faculty advisors cooperate with the counseling staff in aiding the individual student with academic issues of course selection and career choice. Degree plans should be arranged with the faculty advisor as early as possible and may be modified at any time. Prior to the semester of graduation, students must have the degree plan approved by the appropriate division office.

Personal/Social adjustment counseling is provided on a confidential basis regarding issues of life adjustments which many college students experience.

Veterans Services – Students eligible for federal VA education benefits should contact the VA Coordinator in the Midland College Registrar's office. Hazlewood Act benefits are processed through the Financial Aid office. Some veterans may also qualify for certain residency exemptions. More information on these benefits and links to additional veteran information are available on our website at www.midland.edu/va.

Referrals are provided regarding financial aid, tutoring, job placement, medical emergencies, or personal adjustment problems.

The Career Center provides services for students that include tutoring, career guidance, services for students with disabilities, and support for mature returning students and single parents to enable them to succeed at Midland College. Career interest tests available include the Career Occupational Preference System, Myers-Briggs personality indicator, Self-Directed Search, Career Assessment Inventory, Texas C.A.R.E.S., and Choices-CT.

The Job Placement Office provides Midland College students and recent certificate, associate and baccalaureate graduates with opportunities for full and part-time employment. The office is designed to prepare, screen, and refer qualified applicants to job openings. Resume assistance, seminars on interviewing skills, job search techniques, and an annual community-wide job fair are other services provided to the students. For more information, contact the Job Placement Coordinator, (432) 685-4716.

Federal College Work-Study Program

The college work-study program provides employment for students who have demonstrated financial need. The maximum amount a recipient can earn under this federal program is determined by the financial aid application. Students employed under this program are paid at least the minimum wage and may work a maximum of 15 hours per week. A current list of college work-study jobs is available in the Job Placement Office in the Scharbauer Student Center.

Student Support Services

The Student Support Services (SSS) is a federal TRIO program funded by the U.S. Department of Education. This office provides opportunities for academic development, assists students with college requirements and serves to motivate students toward the successful completion of their postsecondary education. The goal of SSS is to increase the college retention and graduation rates of participants and facilitate the transition from one level of higher education to the next.

To be selected into SSS, students must first apply and be accepted to Midland College. U.S. citizens or legal residents who are receiving Pell grants are strongly encouraged to apply to the program. Citizens and resident students who are first generation college (neither parent has a four-year degree) or students who are disabled are also eligible to apply. Student Support Services is located in the Scharbauer Student Center.

Services for Students with Disabilities

Services for Midland College students with disabilities are provided through Student Services. Medical documentation must be on file with the Counselor/Disability Specialist to qualify for services. Services include, but are not limited to: assistance with the registration process, technical assistance with modification of course requirements, and referral to other appropriate campus and community resources. Academic, career, and personal counseling are available upon request.

The student's permanent records are confidential. Individuals may examine personal records at any time. Personnel within the institution may examine student records when it is in the best interest of the student. As per Public Law 93-380, The Family Education Rights and Privacy Act of 1974.

Students with disabilities should notify Midland College in advance regarding their need for services to allow arrangements to be in place at the beginning of each semester. Students who require sign language interpreters or materials from Recording for the Blind & Dyslexic should contact the specialist as soon as possible because these accommodations may require additional time to implement. Midland College assistance may include but is not limited to note takers, scribes, transcriptions of tape recordings, tape recorders, alternative testing options, preferential seating or other appropriate accommodations.

The Americans With Disabilities Act (ADA) and Section 504 of the Rehabilitation Act require that no otherwise qualified person with a disability be denied access to, or the benefits of, or be subjected to discrimination by any program or activity provided by an institution or entity receiving federal financial assistance. It is this Section 504 mandate that has promoted the development of disability support service programs in colleges and universities across the country. Subpart E of Section 504 deals specifically with this mandate for institutions of higher education. While it does not require that special educational programming be developed for students with disabilities, it does require that an institution (public or private) be prepared to make appropriate academic adjustments and reasonable accommodations in order to allow the full participation of students with disabilities in the same programs and activities available to nondisabled students.

A complete handbook for students with disabilities is available in the Scharbauer Student Center. Information, forms, and resources are available on the MC website at www.midland.edu. Click on Admissions/Student Services, then Student Services, then Students with Disabilities. Call (432) 685-5598 for more information.

International Baccalaureate Diploma Credit

Midland College will grant a maximum of 24 semester credit hours (SCH) to any new student having an International Baccalaureate Diploma based on the table below. Midland College may grant fewer than 24 SCH to a student if the student has scored less than 4 on any IBD examination administered as part of the diploma program. Applicants with the IB diploma must provide a completed IB transcript to the Admissions Office before enrolling in order to receive credit.

Students who participate in the International Baccalaureate Program may receive college credit for exam scores of 4 or better on most Higher Level (HL) Exams and for a 5 or better on most Standard Level (SL) Exams. The amount of credit awarded will depend upon the exam scores and the level of the courses.

IB Subject	SL Score	HL Score	MC/TCCN	Credit Hours
English A1		4	ENGL 1301 or 1302	3
		5+	ENGL 1301, 1302	6
Spanish A2 or B	5	4	SPAN 1411, 1412	8
		5+	SPAN 1411, 1412, 2311, 2312	14
Business & Management	5	4	BUSI 1301	3
Economics	5	4	ECON 2301, 2302	6
Geography	5	4	GEOG 1303	3
History	5	4	HIST 1301 or 1302	3
		5+	HIST 1301, 1302	6
Philosophy	5	4	PHIL 1301	3
Psychology	5	4	PSYC 2301	3
		5+	PSYC 2301, 2314	6
Anthropology	5	4	ANTH 2301 or 2351	3
		5+	ANTH 2301, 2351	6
Biology	4		BIOL 1408	4
		5	BIOL 1406	4
Chemistry	5		CHEM 1405	4
		6	CHEM 1411	4
Physics		6	PHYS 1401, 1402	8
Mathematics (HL only)		4	MATH 2413	4
Computer Science	5	4	COSC 1330	4
Visual Arts	5	4	ARTS 1301	3
Music	5	4	MUSI 1306	3
Theatre Arts	5	4	DRAM 1310	3

The Testing Center

The Testing Center, located in the Scharbauer Student Center offers a wide array of testing services for students. In addition to standardized testing, the Center provides make-up testing for Midland College faculty, proctors exams for distance learning and Virtual College of Texas (VCT) courses, as well as administering a number of professional certification tests.

Midland College administers an extensive testing program for interested students and residents of the community. The Testing Center provides the facility for staff to administer ASE, CLEP, COMPASS, ICE, CSI, TEAS, Accuplacer, THEA, 16 PF and FAA Certification.

GED Testing is administered in Room 180 of the Technical Center.

Advanced Standing Examination

Midland College administers College Level Examination Program (CLEP) examinations. Upon approval of the Division Dean and departmental faculty, departmental examinations may be used in cases where approved CLEP tests are not available. Procedures also exist for the granting of credit through the Advanced Placement by examination. Please inquire in the Testing Center for additional information.

CLEP CREDIT GRANTED AT MIDLAND COLLEGE

Subject	COURSE CREDIT	TEST USED	PASSING SCORE	HOURS OF CREDIT
Accounting	ACCT 2401/02	Principles of Accounting	50	8.0
Business	BUSI 2301	Introductory Business	50	3.0
Economics	ECON 2301	Principles of Macroeconomics	50	3.0
	ECON 2302	Principles of Microeconomics	50	3.0
English	ENGL 1301	Freshman College Composition	50 w/essay	3.0
	ENGL 1302	Analyzing and Interpreting Literature	50	3.0
	ENGL 2322/23	English Literature	50	6.0
	ENGL 2327/28	American Literature	50	6.0
Government	GOVT 2302	American Government*	50	3.0
History	HIST 1301	History of the United States 1*	50	3.0
	HIST 1302	History of the United States II *	50	3.0
	HIST 2311	Western Civilization I	50	3.0
	HIST 2312	Western Civilization II	50	3.0
Management	BMGT 1303	Principles of Management	50	3.0
Math	MATH 1314	College Algebra	50	3.0
	MATH 1316	Trigonometry	50	3.0
	MATH 2413	Calculus with Elementary Functions	50	4.0
Modern Languages	FREN 1411/12	College Level French	50	8.0
	FREN 2311/12	College Level French	50	141.0
	GERM 1411/12	College Level German	50	8.0
	GERM 2311/12	College Level German	60	14.0
	SPAN 1411/12	College Level Spanish	50	8.0
	SPAN 2311/12	College Level Spanish	63	14.0
Psychology	PSYC 2301	Introductory Psychology	50	3.0
	PSYC 2314	Human Growth & Development	50	3.0
Sociology	SOCI 1301	Introductory Sociology	50	3.0

In the State of Texas, students may have either HIST 1301 or HIST 1302 credit by examination on their transcripts. Students may not have credit by examination for both courses. Likewise, students may be awarded credit by examination for one Government course only.

ADVANCED PLACEMENT EXAMINATION CREDIT GRANTED AT MIDLAND COLLEGE

Advanced Placement scores of 3 or better are accepted for designated subject areas. If you have scores in an area not listed below, please see the Testing Coordinator.

Subject	COURSE CREDIT	TEST USED	PASSING SCORE	HOURS OF CREDIT
Biology	BIOL 1406/07	Biology	3 (4-5)	4.0 (8.0)
Chemistry	CHEM 1411/12	Chemistry	3 (4-5)	4.0 (8.0)
English	ENGL 1301/02	English Language & Composition	3 (4-5)	3.0 (6.0)
	ENGL 2322/23	English Literature & Composition	3 (4-5)	3.0 (6.0)
American Government	GOVT 2302	Government	3-5	3.0
History	HIST 1301 or	United States History 1 or II	3 (4-5)	3.0 (6.0)
	HIST 1302			
Math	MATH 2413	Calculus AB	3	4.0
	MATH 2414	Calculus BC	4-5	8.0
Modern Languages	SPAN 1411/12	Spanish	3	8.0
	SPAN 2311/12	Spanish	4 (5)	11.0 (14.0)

Credit for Non-traditional Learning

Midland College may grant credit toward a degree or certificate if a student has achieved knowledge and skills from non-traditional sources. This knowledge must be demonstrated by: 1) written examination conducted by nationally recognized services or by a Midland College instructional department; 2) professional certification; or 3) military training/education. The maximum credit that will be awarded for non-traditional learning is 40 semester credit hours. Students should contact the Registrar's Office for detailed information.

High School Equivalency Examination

Midland College offers the General Educational Development (GED) examination for those who have not completed a formal high school education. The successful completion of this examination secures a certificate of high school equivalency and enables students to enter college and pursue a college degree.

Texas Success Initiative/Testing Requirements

The Texas Legislature approved the Texas Success Initiative in June 2003 as a program designed to help students be successful in college. It includes assessment of students before entering a state-supported college or university, advisement and an individual plan designed to prepare students to meet college-readiness skills.

Students are required to take an approved test to meet the requirements of the Texas Success Initiative. The state approved assessment tests administered by the Midland College Testing Center are THEA, Quick THEA and COMPASS. Other approved assessments tests include the ASSET and ACCUPLACER tests. These assessments are used to assess the academic skills of each undergraduate student prior to enrollment.

The following standards are established to determine a student's readiness to enroll in freshman-level academic coursework at Midland College.

THEA: Reading 230+; Mathematics 230+ (270 or an appropriate math placement test score is required for placement in college-level math courses); Writing 230+

COMPASS: Reading 81; Algebra 39 (71 or appropriate math placement test score is required for placement in college-level math courses); Writing - Essay: 6 or Essay: 5 plus 59 objective.

NOTE: Effective Fall 2007 Semester a passing score in both the Reading and Writing sections of THEA/ COMPASS are required before a student can enroll in ENGL 1301 and 1302.

Call (432) 685-4504 or visit online at www.midland.edu for testing dates. The cost is $29.00 for each testing session.

NOTE: Passage of the Reading section of THEA can be achieved for ESL students who are enrolled in ESL 0394 Academic ESL: Reading and Vocabulary and pass the Reading department exam. Passage of the Writing section of THEA can be achieved for ESL students who are enrolled in ESL 0396 Academic ESL: Composition and pass the Writing department exam. In addition, ESL students may substitute Academic ESL 0394 for READ 0370 and Academic ESL 0396 for ENGL 0370 (or ENGL 0371 with the ESL coordinator's permission).

Placement Tests

Math placement is based on THEA/COMPASS scores. Students who are exempt from the Texas Success Initiative, must take a math placement test before enrolling in college-level mathematics courses.

Dual-Credit Student Placement

High school students wishing to enroll in dual-credit courses must pass appropriate sections of the TAKS exit-level exam or have appropriate THEA/COMPASS. In addition, a placement test may be required for math courses. Students should contact high school counselors or college counselors/advisors for exam and placement information.

An 11th-grade student is also eligible to enroll in dual-credit courses under the following conditions:

- *PSAT/NMSQT -- a combined math and critical reading score of 107 with a minimum of 50 on each section relevant to the courses to be attempted.

- *PLAN -- a composite score of 23 with a minimum of 19 on the math and/or English section.

*An eligible student who has enrolled in dual-credit under either of these tests MUST demonstrate eligibility again to enroll in 12th-grade dual-credit courses.

If not covered by any of the above tests, then a student must pass the portion of the TSI test that correlates with the dual-credit class being requested. The state-approved TSI assessments administered by Midland College are the THEA, the Quick THEA and the COMPASS.

An 11th- or 12th-grade student is eligible to enroll in Workforce Education dual-credit courses if the student meets the minimum high school passing standard in the math and/or English sections of TAKS. A student who is exempt from taking TAKS may be otherwise evaluated by the education institution.

Students with disabilities should notify Midland College in advance regarding their need for services to allow arrangements to be in place at the beginning of each semester. Students who require sign language interpreters or materials from Recording for the Blind & Dyslexic should contact the specialist as soon as possible because these accommodations may require additional time to implement. Midland College can provide assistance in the form of note takers, scribes, transcriptions of tape recordings, tape recorders, alternative testing options, preferential seating or other appropriate accommodations.

Exemptions/Exceptions

Students who meet one of the following conditions are exempt from the Texas Success Initiative (TSI) requirements:

1. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards:
   - ACT tests with a composite score of 23 with a minimum of 19 on the English test and/or the mathematics test shall be exempt for those corresponding sections.
   - SAT tests with a combined verbal and mathematics score of 1070 with a minimum of 500 on the verbal test and/or the mathematics test shall be exempt for those corresponding sections.
2. For a period of three (3) years from the date of testing, a student who tests and performs on the Eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum score of 2200 on the English Language Arts section with a writing subsection score of at least 3 shall be exempt from the assessment required under this title for those corresponding sections.
3. A student who has graduated with an associate or baccalaureate degree from an institution of higher education.
4. A student who transfers to Midland College from other accredited institutions of higher education with appropriate college-level work in the areas of writing, reading and/or mathematics (grades of "C" or higher) may be deemed as college-ready after review by the Registrar's Office. Students not meeting college-readiness in writing, reading or mathematics will be required to take the THEA or COMPASS test for that area.
5. A student who has previously attended any institution and has been determined to have met readiness standards by that institution.
6. A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment. Written documentation from the appropriate branch of the military is required for the exemption to be granted.
7. A student who on or after August 1, 1990 was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States. Written documentation (DD-214) is required before the exemption will be granted.
8. A casual/enrichment student who is taking courses for personal interest only and who is not seeking a degree or certificate will be allowed to defer developmental course work and may enroll under the following conditions: (a) take a maximum of two courses per semester that are not academically restricted courses; (b) may not declare a major; and (c) may not receive financial aid. Consult with a Midland College counselor/advisor for a list of academically restricted courses.

Math Placement

COURSE	THEA	COMPASS	PREREQUISITE
MATH 0389	205 or less	Below 61 (Pre-Algebra)	No prerequisite
MATH 0390	206	61+ (Pre-Algebra) 1-48 (Algebra)	"B" or greater in MATH 0389
MATH 0192-0195	206	61+ (Pre-Algebra) 1-48 (Algebra)	"B" or greater in MATH 0389
MATH 0391	230	49-70 (Algebra)	"C" or greater in MATH 0390 and "P" in MATH 0190 or "P" MATH 0192-0195
MATH 1314, 1414	270	71+ (Algebra) 0-49 (College Algebra)	"C" or greater in MATH 0391 and "P" in MATH 0190 or "P" in MATH 0196-0199
MATH 1316		50+ (College Algebra) 0-50 (Trigonometry)	"C" or greater in MATH 1314 or MATH 1414
MATH 1324	270	71+ (Algebra) 0-49 (College Algebra)	"B" or greater in MATH 0391
MATH 1325			"C" or greater in MATH 1324
MATH 1342	270	71+ (Algebra) 0-49 (College Algebra)	"B" or greater in MATH 0391 and "P" in MATH 0190
MATH 1350		50+ (College Algebra) 0-50 (Trigonometry)	"C" or greater in MATH 1314 or equivalent
MATH 1351			"C" or greater in Math 1350
MATH 2412		50+ (College Algebra) 0-50 (Trigonometry)	"C" or greater in MATH 1314 or MATH 1414
MATH 2413		51+ (Trigonometry)	"C" or greater in MATH 1316 or MATH 2412
MATH 2414			"C" or greater in MATH 2413
MATH 2415			"C" or greater in MATH 2414
MATH 2420			"C" or greater in MATH 2415

Reading Developmental Placement

COURSE	THEA	COMPASS	PREREQUISITE
READ 0370 / READ 0170	200 or less	0 - 63	No prerequisite
READ 0371 / READ 0171	201-229	64 - 80	Specified placement score or "C" or greater in READ 0370 / READ 0170
READ 0180			"C" or greater in READ 0371 / READ 0171
Academically Restricted Courses	230+	81+	Specified placement score or "C" or greater in READ 0180

English Placement Developmental

COURSE	THEA	COMPASS	PREREQUISITE
ENGL 0370 / ENGL 0170	204 or less	0 - 43 **and** writing score of 1 - 5	No prerequisite
ENGL 0371 / ENGL 0171	205-219	44 - 58 **and** writing score of 5	Specified placement score or "C" **or** greater in ENGL 0370 / ENGL 0371
ENGL 0280			"C" or greater in ENGL 0371 / ENGL 0171
ENGL 1301	220 (Writing) **and** 230 (Reading)	59+ (Writing) and writing score of 5 or writing score of 6 **and** 81+ (Reading)	Specified placement score or "C" **or** greater in ENGL 0280

3 Registration

Register ONLINE through Campus Connect or during walk-in registration at the Scharbauer Student Center.

There are two methods of registration at Midland College. Students who are in good academic standing, have all required paperwork submitted to the Admissions Office, and have no financial or academic holds on their record are eligible to register online. Students are encouraged to meet with a counselor/advisor if he/she is in need of assistance in planning a course schedule. All students may register in person in Student Services. Consult the course schedule for more details.

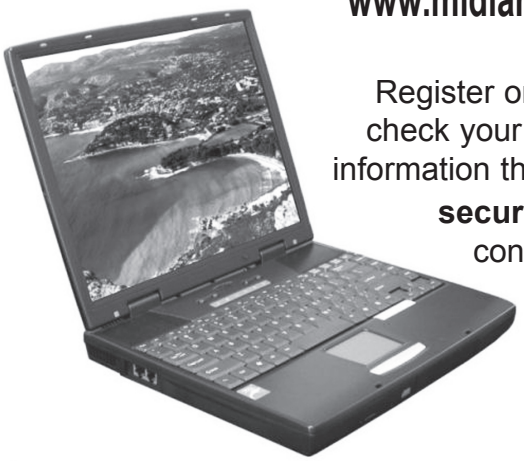
Campus Connect

This online service is available at www.midland.edu. To log on, you must be an admitted Midland College student. Campus Connect provides students access to their college information including:

1. class schedule
2. grade report for current semester grades
3. course availability
4. unofficial transcript
5. status of school account/balance due
6. degree audit that lists the courses that have been completed and those needed to complete a degree or certificate
7. demographic information on file
8. status of financial aid

Please refer to the course schedule for registration deadlines. Some courses have special prerequisites; check individual course listings. Some programs have limited enrollments.

Campus Connect
now at
www.midland.edu



Register online, or check your student information through a **secure** online connection.

Residence Requirements

It is the responsibility of each student attending Midland College to register under the proper residence classification and pay the correct tuition and fees. The Texas Higher Education Coordinating Board rule 21.731 requires each student applying to enroll at an institution to respond to a set of core residency questions for the purpose of determining the student's eligibility for classification as a resident. This questionnaire, along with other pertinent residency information, is available in the Admissions Office and on the Midland College website at www.midland.edu/admissions.

In-District

To qualify for In-District tuition, a student must be classified as a Texas resident and have been a resident of the Midland College District for a period of six months before the first enrollment.

Out-of-District

A Texas resident who does not physically reside within the geographic boundaries of the Midland College District will pay Out-of-District tuition. Aliens living in the United States under a visa must meet the same tuition residency requirements as do U.S. citizens. A permanent resident must meet the same length of residency requirements as a citizen. A student may reclassify from Out-of-District to In-District status, with appropriate documentation, after six months residency in the Midland College District. A listing of those documents which can be accepted for the purpose of residency classification is available in the Admissions Office and on the Midland College website.

Students Residing Outside of the Midland College District

The Midland College Board has adopted Section 130.0032, Subchapter A, of the Texas Education Code that permits a person who resides outside of the Midland College District and who owns property subject to ad valorem taxation by the Midland College District, or a dependent of the person, to pay tuition at the rate applicable to a student who resides in the district. To qualify for this benefit, the property owner or dependent must provide the Admissions Office with a copy of a Notice of Appraised Value Statement from the Midland Central Appraisal District in the property owner or dependent's name that shows Midland College as one of the taxing units.

4 Payment

Pay your tuition bill using financial aid earned or take advantage of one of several payment methods.

Tuition and Fees

Students who enroll both in a community college and a senior college or university should register for the community college courses first. After that has been completed, they should take their receipt to the senior college or university and register. This may result in savings of tuition and fees.

Midland College offers senior citizens an exemption from the payment of general use fees when they enroll in credit classes. To be eligible for the exemption, students must be sixty-five years of age or older and pay tuition costs plus any lab fees. All other Midland College policies apply.

The schedule below reflects the combined tuition and general use fees required of all courses. Certain courses may require additional fees for labs, liability insurance, private instruction, and testing. **This schedule reflects the tuition and fee rates in effect at the time of printing. All tuition and fees printed in this catalog are subject to change by the Midland College Board of Trustees.** The most recent rates are published in the course schedule.

LOWER DIVISION (FRESHMAN & SOPHOMORE)

HOURS	IN-DISTRICT RESIDENT	OUT-OF-DISTRICT RESIDENT	OUT-OF-STATE RESIDENT/ALIEN
1	105.00	129.00	480.00
2	154.00	202.00	480.00
3	203.00	275.00	480.00
4	252.00	348.00	480.00
5	315.00	435.00	600.00
6	378.00	522.00	720.00
7	441.00	609.00	840.00
8	504.00	696.00	960.00
9	567.00	783.00	1,080.00
10	630.00	870.00	1,200.00
11	693.00	957.00	1,320.00
12	756.00	1,044.00	1,440.00
13	819.00	1,131.00	1,560.00
14	882.00	1,218.00	1,680.00
15	945.00	1,305.00	1,800.00
16	1,008.00	1,392.00	1,920.00
17	1,071.00	1,479.00	2,040.00
18	1,134.00	1,566.00	2,160.00
19	1,197.00	1,653.00	2,280.00
20	1,260.00	1,740.00	2,400.00
21	1,323.00	1,827.00	2,520.00
22	1,386.00	1,914.00	2,640.00
23	1,449.00	2,001.00	2,760.00
24	1,512.00	2,088.00	2,880.00
25	1,575.00	2,175.00	3,000.00
26	1,638.00	2,262.00	3,120.00
27	1,701.00	2,349.00	3,240.00

UPPER DIVISION (JUNIOR & SENIOR)

HOURS	IN-DISTRICT RESIDENT	OUT-OF-DISTRICT RESIDENT	OUT-OF-STATE RESIDENT/ALIEN
1	153.00	177.00	672.00
2	250.00	298.00	672.00
3	347.00	419.00	672.00
4	444.00	540.00	672.00
5	555.00	675.00	840.00
6	666.00	810.00	1008.00
7	777.00	945.00	1,176.00
8	888.00	1,080.00	1,344.00
9	999.00	1,215.00	1,512.00
10	1,110.00	1,350.00	1,680.00
11	1,221.00	1,485.00	1,848.00
12	1,332.00	1,620.00	2,016.00
13	1,443.00	1,755.00	2,184.00
14	1,554.00	1,890.00	2,352.00
15	1,665.00	2,025.00	2,520.00
16	1,776.00	2,160.00	2,688.00
17	1,887.00	2,295.00	2,856.00
18	1,998.00	2,430.00	3,024.00
19	2,109.00	2,565.00	3,192.00
20	2,220.00	2,700.00	3,360.00
21	2,331.00	2,835.00	3,528.00
22	2,442.00	2,970.00	3,696.00
23	2,553.00	3,105.00	3,864.00
24	2,664.00	3,240.00	4,032.00
25	2,775.00	3,375.00	4.200.00
26	2,886.00	3,510.00	4,368.00
27	2,997.00	3,645.00	4,536.00

Laboratory Fees

1. Accounting, ACCT 2401-2402, ACNT 1403-1413 ..... 24.00
2. Agriculture 24.00
3. Air Conditioning, Heating, and Refrigeration, HART 1391-1445, 2434-2442 and 2449 ..... 48.00
4. Alcohol & Drug Abuse Counseling DAAC 2441 & 2454. . . . . .10.00
5. Arts 1311, 1312, 1316, 1317, 2311, 2312, 2326, 2327, 2333, 2334 ..... 36.00
   Arts 2316, 2317, 2323, 2324, 2366, 2367 ..... 18.00
   Arts 2341, 2342, 2346, 2347, 2348, 2349, 2356, 2357 ..... 48.00
6. Automotive Technology, all AUMT courses, except AUMT 2321 ..... 30.00
   ABDR 1431, 1458..... 48.00
   ABDR 2449..... 72.00
   AUMT 2321 ..... 35.00
7. All Aviation Maintenance (AERM) lab classes per credit hour 24.00
8. Biology 35.00
9. Business Administration, BCIS 1405..... 40.00
10. Business Systems, BCIS 1405, IMED, ITSW 1401-1410, 2434 POFI 2401-2440, ...
    POFT 2333, 2401, and 2431 ..... 40.00
11. Chemistry 35.00
12. Chemistry Technology 35.00
13. Child Care and Development, all lab courses 24.00
14. Communication, COMM 1129, 1130, 2129, 2130, 2289, 2389 . . . . . .5.00
    COMM 2305, 2311 . . . . . 12.00
    COMM 1318, 1319 . . . . . 48.00
15. Computer Graphics Technology, all lab courses, (except DFTG 2340, and DFTG 2319) 24.00
    DFTG 2340, 2319 ..... .48.00
16. Cosmetology 24.00
17. Diagnostic Medical Sonography, DMSO 1405, 1442, 2357, 2405 . . . . . 24.00
18. Diesel Technology..... 24.00
19. Drama, DRAM 1120, 1121, 2120, 2121, 2366 . . . . . .12.00
20. Emergency Medical Services, EMSP 1356, 1438, 1501, 2135, 2434, 2444 . . . . . 24.00
21. Energy Technology, ELMT, INTW 1415, PTRT, WIND..... 24.00
22. English, ENGL 0181 and 0280 . . . . . 4.00
    ENGL 0370 and 0371 . . . . . .8.00
23. Fire Science Technology, FIRS 1343, 1413, 1419, 1423, 1433, 2344 ..... 48.00
    FIRS 1329, 1401, 1407 ..... 24.00
24. French, FREN 1411, 1412, 2311, 2312 ..... 4.00
25. Geology 35.00
26. German 4.00
27. Health Information Technology, HITT 1301, 1341, 1342, 2335, 2343, ... 48.00
28. Information Technology, BCIS 1405, CETT 1402, CPMT, ITCC,.....
    ITNW 1454, ITSC 1407-2437, ITSE 1445, 2409, 2447, 2454, ITSY 2400 ..... 40.00
    Information Technology COSC 1330, 1336, 1337, 2330, 2336, GAME, ITNW 1351, ...
    ITSE 1331, 2313, 2349, POFT 1325, and ELMT..... . . . . .24.00
29. Kinesiology/Physical Education, KINE 1100-1131, 1151-1178, 2100-2130, 2171-2178 . . . . . 5.00
    KINE 2156 ..... .24.00
30. Mathematics, MATH 0190-0389 . . . . . .10.00
31. Music, MUSI 1159-1184, 1311-1312, 2159-2312, MUEN 24.00
32. Nursing, Associate Degree RNSG, 1200, 1201, 1227, 1412, 2130, 2205, 2213, 2370 .... 24.00
    Nursing, Associate Degree RNSG 1215, 1513, 2207, 2400 . . . . . 30.00
    Nursing, Vocational VNSG 1420 . . . . 48.00
    Nursing, Vocational VNSG 1423, 1509, 2431 .... .60.00
33. Physics 35.00
34. Professional Pilot, AIRP 1301, 1451 ..... .24.00
35. Radiography, RADR 2336 ..... .72.00
36. Reading, READ 0180-0260, READ 0370-0371 ..... 4.00
37. Respiratory Care, RSPT 1410-2135, 2255-2305 ..... 24.00
38. Sign Language, SGNL 2302 ..... 4.00
39. Spanish, SPAN 1411- 2312 ..... 4.00
40. Speech, SPCH 1144, 1145, 2144, 2145 ..... 3.00
    SPCH 2289, 2389 ..... .5.00
41. Veterinary Technology, VTHT 1225-1345, 1413-2213, 2323-2439 ..... 35.00
42. Welding Technology, WLDG 1437-1557, 2355, 2506-2553 ..... 72.00

Courses with lab components are designated by the second number in parentheses following the title and semester credit hours in the course description area of this catalog. For example COSC 1330 Computer Programming 3 Hours (3-1) has a lecture component of 3 hours and a lab component of 1 hour.

Special Charges

1. Air Conditioning, Heating and Refrigeration Exit Exam (Industry Competency Exam (ICE) required for A.A.S. Degree and Air Conditioning, Heating and Refrigeration Certificate) 30.00
2. Associate Degree Nursing testing fee required for RNSG 1200, 1227, 1412, 2370, 2400 ..... 98.00 - 128.00
3. Communication, COMM 2301, 2316, 2330 Course fee 8.00
   Communication, COMM 1335, 2315, 2327, 2332, 2339 Course fee 12.00
4. Criminal Justice, CJSA 2323 Course fee 24.00
5. Credit by Departmental Examination 50.00
6. CLEP Examination 90.00
7. Correspondence Test Fee 20.00
8. Distance Learning Fee (charged for internet and interactive courses) 54.00
9. Drafting, DFTG 1325 Course fee 24.00
10. English, ENGL 1301-2343 Course fee 4.00
11. Excessive Repeat fee per hour (charged for repeating certain courses three or more times) 50.00
12. Excessive Remediation fee per hour 10.00
13. Health Information (AHIMA) fee HITT 2260, HITT 1301 ..... 35.00
14. Identification card replacement fee 10.00
15. Information Technology POFI 1204 Course fee 40.00
16. Installment payment plan online 25.00
17. *Liability insurance 17.00
    *Liability insurance for Emergency Medical Services courses 71.00
18. Late registration (1st class day through census date) 15.00
    Late registration after census date 50.00
19. Latin, LATI 1411-2312 Course fee 4.00
20. Mathematics, MATH 0390-2420 Course fee 10.00
21. Music private instruction fee (MUAP) 120.00
22. TEAS Admission Test (Required for admission into Associate Degree Nursing, Diagnostic Medical Sonography, Emergency Medical Services, Radiography, Respiratory Care and Vocational Nursing) 25.00
23. Paralegal, LGLA 2331 Course fee 40.00
24. Parking replacement sticker or additional vehicle 1.00
25. Parking fines ..... 10.00 - 50.00
26. Private flight instruction fee ..... 5,500.00 to 12,500.00
27. Professional Pilot Application testing fee 45.00
28. Professional Pilot Software fee (AIRP 2357) 400.00
29. Professional Pilot Jeppeson Tutorial (AIRP 1317) 236.00
30. Radiography, RADR 2205 and 2209 Course fee 48.00
    Radiography, RADR 1313, 2331, 2335 Course fee 72.00
    Radiography, RADR 1409, 1411, 2401 Course fee 96.00
31. Respiratory Care testing fee required for RSPT 2361 ..... 35.00 - 40.00
32. Returned check 10.00/25.00
33. Sign Language, SGNL 1401-2301 Course fee 4.00
34. Spanish SPAN 1300, 2321, 2324 Course fee 4.00
35. Speech, SPCH 1311-1342, 2301-2341 Course fee 4.00
36. THEA fee (Required for ENGL 0370; READ 0370; and MATH 0191) 29.00
37. Vocational Nursing testing fee required for VNSG 1219,1423, 1509 ..... 25.00 - 100.00

***Student liability insurance** is required for students enrolled in Alcohol and Drug Abuse Counseling Practicum I (DAAC2166) and Practicum II (DAAC2167); Associate Degree Nursing clinical courses; Child Care and Development courses; Cosmetology courses; Diagnostic Medical Sonography clinical courses; Emergency Medical Services clinical courses; Radiography clinical and practicum courses; Respiratory Care clinical courses; and Vocational Nursing clinical courses. This is subject to change due to insurance rate changes.

Students may also be charged for loss or damages to college property for which they are responsible. Non-payment of these obligations may result in the withholding of grades, transcripts, or graduation.

Installment Payment Plan (Fall and Spring Semesters Only)

Students may pay tuition and fees and/or room and board on an installment basis. These require two separate payment plans. A $25.00 processing fee is charged for each plan. The student can execute an installment agreement on the Midland College website **www.midland.edu** within their Campus Connect account. There are different payment plan options depending on the time that you register. Tuition and fees or payment plan contracts are due at the time of registration. Failure to pay the complete balance may result in denial of course credit for that semester.

Refund Policy

Please be aware that refunds are made according to the date that classes officially begin rather than the date the student enrolls. All tuition and fee refunds must be initiated by the student. The date on the drop slip will determine the date of withdrawal and the amount of refund.

Refunds for installment agreements will first be applied to total balances. Refunds will be the applicable percentage of the total tuition and refundable fees due for the semester, less any amount not paid. If a student has paid less than the amount due after applying the applicable refund percentage, the student is required to pay the balance. Students who officially drop or withdraw from the institution will have their tuition and certain fees refunded according to the following schedules:

Refund Schedule for Complete Withdrawal

Regular Semester Length	Summer Sessions	3-Week Flexible Entry
100% - Prior to 1st class day	100% - Prior to 1st class day	100% - Prior to 1st class day
70% - 1st 15 class days	70% - 1st 5 class days	70% - 1st through 3rd class days
25% - 16th through 20th class days	25% - 6th and 7th class days	25% - 4th class day
NONE - After 20th class day	NONE - After 7th class day	NONE - After 4th class day

Refund Schedule for Reduction in Course Load

Regular Semester Length	Summer Sessions	3-Week Flexible Entry
100% - Prior to 1st class day	100% - Prior to 1st class day	100% - Prior to 1st class day
100% - 1st through 5th class days	100% - 1st through 4th class days	100% - 1st through 2nd class days
70% - 6th through 15th class days	70% - 5th Day	70% - 3rd class day
25% - 16th through 20th class days	25% - 6th and 7th class days	25% - 4th class day
NONE - After 20th class day	NONE - After 7th class day	NONE - After 4th class day

Late fees and payment contract fees are nonrefundable.

Refunds will be processed after the state census of the semester.

Pro Rata Refund Policy

In accordance with the Higher Education Amendments, Section 484B, students receiving any Title IV funds (Pell, Supplemental Educational Opportunity Grant, FFEL Stafford Subsidized Student Loans, or FFEL Parent Loans for Undergraduate Students), who completely withdraw from school prior to the 60 percent point in the semester may owe a repayment of grant funds received. Part of the repayment may be owed directly to the Department of Education and the remainder to the school. Midland College is required by the Department of Education to evaluate each student who receives Title IV funds to determine if the student has earned all of the money received and calculate if the student owes. Students owing will be notified in writing. The student must then respond by repaying the funds owed or establishing a repayment agreement. Students not responding will no longer be able to receive any Title IV funds at any school until repayment is made.

Amounts repaid will apply to funds in the following order:

FFEL Subsidized Stafford Loan
FFEL Parent Loan for Undergraduate Students
Pell Grant
Supplemental Educational Opportunity Grant
Other Title IV aid

For additional information, contact the Financial Aid Office at (432) 685-5513.

Tuition and fees paid directly to the institution by a sponsor, donor, or scholarship shall be refunded to the source rather than directly to the student.

Financial Aid

Financial aid at Midland College is intended to help students and their families pay for the costs associated with obtaining a college education. With financial assistance from state or federal governments, civic groups and the colleges, more students have found they can afford higher education.

To be eligible for federal programs, an applicant must:

1. be a U.S. citizen, permanent resident of the U.S., or citizen of certain former trust territories;
2. be enrolled at least half-time as a regular student in an eligible program;
3. be making satisfactory academic progress;
4. sign the following statements (as applicable): Statement of Educational Purpose, Selective Service Registration; and
5. not be in default on a Federal student loan.

All students receiving federal financial aid at Midland College must have a high school diploma or a GED. In addition, a student cannot receive financial aid from more than one school during the same semester.

Eligibility for various scholarships may be based upon a combination of academic achievement, financial need, and the wishes of the donor.

The U.S. Department of Education frequently changes regulations pertaining to financial aid and disbursement. Due to these changes, the Midland College Financial Aid Office reserves the right to make policy and procedure changes during and between award years. If you have any questions concerning the above information or financial aid, please consult with a financial aid representative.

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Midland College, on any basis prohibited by applicable law, including, but not limited to race, color, age, marital status, national origin, religion, gender, disability, or status as a qualified disabled veteran or veteran of the Vietnam era.

Students transferring from another institution, between the fall and spring semesters, must notify the Financial Aid Office and submit all needed documents from all institutions that were attended beyond high school, whether or not financial aid was received at the institution. Once all the required documentation has been received, transfer students are placed on a transfer monitoring list for seven days before a financial aid award can be made. By applying for aid at Midland College, the student gives permission to the Financial Aid Office to verify any and all information. All documents provided will become the property of Midland College and may not be returned to the student.

Transient students—students who are enrolled in another college or university who attend Midland College for one semester, are not eligible for grants, loans, or work-study.

Adding courses after the census date will not change aid eligibility for the semester. Students must be enrolled in at least 6 hours to receive federal aid.

Full-time enrollment is 12 or more semester credit hours, 3/4 time is 9 to 11 hours, ½ time is 6 to 8 hours and less than ½ time is 1 to 5 hours. Students must be currently enrolled at least half time to receive a federal or state disbursement for the current or prior semesters. If paid for any prior semester, students will only receive funds for classes in which a grade of "C" or better was achieved if at least 6 credit hours were completed. By accepting financial aid at Midland College, students agree to receive their funds

****Estimated In-District Costs**

Based on Full-time (15 hours) for Fall & Spring

	Living with Parent	Living in Apartment	Living in Residence Hall
Tuition/Fees	$1,890*	$1,890*	$1,890*
Books/Supplies	1,112	1,112	1,112
Room/Board	2,439	8,635	4,100*
Transportation	1,385	1,385	1,385
Personal/Misc.	1,789	1,789	1,789
Total	**$8,615**	**$14,811**	**$10,276**

according to the Midland College financial aid disbursement policy and to keep all receipts for charges and residuals received from the Financial Aid Office. The Financial Aid Office may not have and/or provide copies of receipts that may be needed by students for tax or other purposes.

Federal Aid Payments and Disbursement Policy

Periodically the Higher Education Act is reauthorized and changes are made to the regulations governing Title IV Federal Financial Aid such as the Federal Pell Grant, Academic Competitiveness Grant (ACG), Federal Supplemental Educational Opportunity Grant (SEOG), Federal Family Education Loan Programs (Stafford and Plus loans), Leveraging Educational Assistance Partnership (LEAP), and the Special Leveraging Educational Assistance Partnership (SLEAP). The new rules governing the administration of these programs went into effect with the Fall 2010 semester. To remain in compliance, Midland College has made adjustments to its disbursement policy for the 2010-2011 award year in the following manner:

1. Students are allowed to charge tuition, fees, books, room and board against any grant or scholarship received (as applicable).
2. The official enrollment date is the census date (12th class day) for each semester.
3. All financial aid awards are locked on the census date, and aid amounts are based on that enrollment status.
4. No book vouchers of any kind will be issued after certain dates.
5. All residual balances from Title IV aid (Pell, SEOG, ACG, Stafford loans) will be issued during the semester. Residual balances will be applied to the student's Chap Card or deposited directly to the student's designated bank account.
6. A disbursement schedule which states all the book voucher and dates for the academic year will be mailed with the students award letter. No other notice of these dates will be mailed to the student. Students with an extenuating circumstance can appeal the disbursement policy before the census date.
7. All sources of aid are applied toward tuition, fees, books, and room and board before any residual is paid.

Note: New regulations require that students withdrawing completely before the 60% point in the semester repay any unearned portion of Title IV aid that they received.

Students may owe a portion of the unearned aid received to the school if it was used to pay for tuition, fees, books, room and board, or to the Department of Education, if it was disbursed to the students. Students owing a repayment will not be able to receive any additional federal funding without a repayment agreement and timely payment. The Midland College disbursement policy is designed to limit the amount students may owe as a repayment and to evenly disburse funds to all students over the semester.

Steps for Applying for Financial Aid

1. Complete the application for federal aid-preferably online at www.fafsa.ed.gov-each year after filling out federal income tax forms. Also, complete the Midland College application process.
2. Apply for all types of aid funded by Midland College by completing the Free Application for Federal Student Aid (FAFSA) and General Scholarship application by the deadlines.
3. Submit all required documents to the Financial Aid Office.
4. Check on the status of the application periodically.
5. Students with an extenuating circumstance (i.e., loss of household, income in 2010, request to change dependency status) should contact the Financial Aid Office and submit appropriate documentation

Award Procedure

Federal grants and work-study positions are awarded on a first-come, first-serve basis. In accordance with federal regulations, preference is given to applications which are submitted prior to the deadlines indicated.

Federal Aid Preference	Priority/Deadline Dates
Fall	June 1
Spring	October 1
Summer	February 15

The financial aid process is lengthy. If the priority deadlines are missed, funds may not be available in time for registration.

In order to receive maximum consideration for financial aid, a student's file must be complete by the above dates. A file is complete when all necessary documents have been provided to the Financial Aid Office. This usually means that a student has completed the Free Application for Federal Student Aid (FAFSA) and listed Midland College on that application. Additional documents or information may be needed to complete a file if a student is selected for verification. Additional documents may include, but are not limited to; a signed copy of the student's and/or parents federal income tax return of the previous year, a verification work sheet, an Economic Sufficiency Form, or verification of untaxed income.

If a student is selected for verification, the student's file is not complete until all information is determined to be accurate and results of any corrections have been received by the Financial Aid Office from the Department of Education.

It is the student's responsibility to provide all documents needed by the Financial Aid Office. Complete files will be processed in date order. The student will be sent an award letter that lists all aid that the student is eligible to receive at Midland College for the school year.

Loans

Midland College participates in the Federal Direct Loan Program. We offer Stafford Loans and Plus (Parent) Loans.

Before applying for a loan, students must have a completed file in the Financial Aid Office. In addition:

1. Transfer students must submit all academic transcripts to the Financial Aid Office from all prior schools attended and must have completed 75 percent of all hours attempted at all schools;
2. Students must be enrolled in a minimum 6 semester hours; and
3. Complete both an entrance and exit counseling session.
4. Students have the right to appeal any of the above loan criteria.
5. You are encouraged to apply for the loan by census date (12th class day).
6. Yearly loan limits: Freshman $3,500, Sophomore $4,500, Junior and Senior $5,500.

A student has the right to select a lender of choice. However, Midland College does provide a list of frequently used lenders.

Students interested in loans should contact the Midland College Loan Coordinator at (432) 685-4693.

There are several organizations that offer alternative educational loans. These loans are not federally funded and the lending institution determines their criteria.

Scholarships

The primary purpose of the scholarship program at Midland College is to provide financial assistance to students who, without aid, would be unable to attend college. In addition, Midland College seeks to:

1. Attract and retain students with outstanding intellectual, creative, and leadership abilities;
2. Develop a student body with socio-cultural, economic, geographic, and ideological diversity; and
3. Develop a student body committed to quality education in the liberal arts tradition.

Consequently, Midland College offers academic and performance scholarships, as well as need-based scholarships, both endowed and undesignated, that recognize excellence. Scholarship awards may be based upon merit, interest, need or ability.

Normally, scholarships are awarded for one year. In most cases, one-half of any yearly scholarship is awarded for the fall semester and the remaining half for the spring semester. However, a student must meet all academic requirements at the end of each semester.

Most Midland college scholarships are considered "charge only"-a cash residual will not be given. Scholarships are gifts and do not have to be repaid. Unless specified in the scholarship agreement, no scholarship aid will be given for audited courses or for workshop participation.

Fasken Top 5 Percent

Applicants must be in the top 5 percent of their graduating class from high schools outside of Midland County. Applications are made through the high school or the Midland College Financial Aid Office after February 1. The award covers tuition, fees, and books to a maximum of $1,000 per semester.

Midland's Legacy Scholarship Program

Applicants must have a high school GPA of 2.75 on a 4.0 scale, be a graduate of a Midland County high school, and complete 40 hours of community service at an approved agency. Applications are available in the high school counselor's office and online. The scholarship covers tuition with a maximum of $750 for each long semester; summer and interim semesters are not included. Students must be enrolled in at least 6 semester hours. In order to renew the scholarship for a second year, the student must remain in good standing, reapply, and complete 40 more hours of community service.

For early high school graduates, eligibility for the scholarship begins in the fall semester after graduation.

Abell-Hanger GED

Applicants must be Midland County Residents and must have received their GED within the last 12 months through the Midland College Testing Center. Applications are available at the Midland College Financial Aid Office. This scholarship covers tuition with a maximum of $750 for the fall and spring semesters only. Students must be enrolled in at least 6 semester hours. The scholarship is renewable for three additional semesters, provided that students remain in good standing and reapply for the scholarship for the sophomore year.

Abell-Hanger Educational Continuance Scholarship

Students must be Midland Legacy, Abell-Hanger GED or Students in Philanthropy scholarship recipients in good standing at Midland College, must have 3.0 GPA or higher, must provide 25 hours of community service each semester and must be residents of the state of Texas and citizens of the United States. The amount of scholarship is $6,250 per semester and is renewable for 2 years or 4 semesters if qualifications are met. Students must be enrolled in at least 12 credit hours per semester and demonstrate financial need. Deadline for application is April 1st. *To qualify, students must be graduating sophomores.*

Athletic Scholarships

Athletic scholarships are governed by conference rules and are awarded by coaches based upon athletic ability and academic criteria. Applications are available from the Midland College Athletic Department. The amount of scholarships will vary.

General Scholarships

Midland College general scholarships are funded by many sources. Scholarships are awarded on a first-come-first-served basis. Students must apply online at https://mama.midland.edu/cc3/aid.html.

A minimum grade point average of 2.0 is required; however, some scholarships have higher standards.

Exceptions may be made on an individual basis at the discretion of the Director of Financial Aid.

Students in Philanthropy Scholarship

Students in Philanthropy (SIP) is a scholarship-based, student leadership program funded by the Abell-Hanger Foundation and the Helen Greathouse Charitable Trust. Up to 25 SIP members participate in program activities which are designed to enhance the students' knowledge of the nonprofit and philanthropic communities. Students must make a full academic year commitment to the program and are required to attend weekly meetings, conduct agency site visits, participate in various presentations and seminars as well as participating in community service opportunities throughout the year.

Ambassadors Scholarship

The Ambassadors scholarship is funded by the Midland College Foundation. This scholarship pays $500 toward the cost of fall and spring on-campus housing. Ambassadors assist with on-campus events and complete leadership training.

Other State Aid Programs

Students must prove their eligibility for all state exemptions. In addition, students will need to provide the proper documentation to the Financial Aid Office at the time of registration, but no later than the census date of the semester for which the student wishes to use the exemption. More detailed information regarding state programs can be found at http://www.collegefortexans.com/apps/financialaid/tofa.cfm?Kind=E.

Competitive Scholarship Policy

Competitive scholarships pertain to certain students who, when receiving competitive scholarships, will pay out-of-district tuition rates who would normally pay non-resident tuition rates.

A competitive scholarship is defined as a "scholarship totaling $1,000 or more for the academic year, which both resident and non-resident applicants will be in competition to receive." Competitive scholarships may be awarded on the basis of either academic potential or performance, which is determined by the nature and scope of the scholarship for which the award will be made. The scholarship committee membership depends upon which department has responsibility for the selection of recipients of the particular scholarship. The factors to be used in the selection of recipients will depend upon the individual scholarship requirements.

An academic year, for purposes of competitive scholarships, is defined to be the fall semester through the second summer session of each school year.

Hazlewood Act

Veterans who were Texas residents when they joined the military and are now residents may be eligible for exemption of tuition and fees. The Hazlewood Exemption covers no more than 150 cumulative semester hours. Applicants must provide a DD-214 along with verification of Montgomery GI Bill expiration (if the veteran served after 9/11) and must complete an application. A new application must be completed each semester. Students who have used the Hazlewood Exemption at a school other than Midland College must provide Hazlewood transcripts to verify the number of hours used at other institutions. Under certain conditions, unused hours of exemption eligibility may be transferred to a dependent child. In addition, students that have a parent or spouse who died as a result of service-related injuries or illness, is missing in action, or became totally disabled for purposes of employability as a result of service-related injury or illness may qualify for the exemption.

Applications for the Hazlewood Exemption can be downloaded from the College for Texans website: http://www.collegefortexans.com/apps/financialaid/tofa2.cfm?ID=579.

Combat Exemption for Children of Military Service Members

This program provides an exemption from the payment of tuition (only) to a child, or stepchild, of a member of the Armed Forces who was deployed to Active duty in a combat zone outside the United States.

The dependent child or stepchild must:

- Be a Texas Resident or entitled to pay resident tuition,
- Have a parent who is a member of the U.S. Armed Forces, and
- Is enrolled for a semester or other academic term during which the service member of the armed forces is deployed on active duty for the engaging in a combative military operation outside the United States.

To receive the exemption, students must be able to provide proof of meeting the program's eligibility requirements, as outlined above. Child must provide proof (ex-military orders, pay records from service member's unit to which he/she is assigned, etc.) of service member's deployment from the Department of Defense for the relevant semester or academic term.

If additional documentation is needed, students may wish to contact The National Personnel Records Center at (314)801-0800.

Valedictory Scholarship

The highest ranking graduate from any accredited Texas high school is eligible for exemption from tuition for the first two long semesters following graduation. Certification from the Texas Education Agency is required.

Early High School Graduation Scholarship Program

This program provides an exemption from the payment of tuition for students that have completed the requirements of high school graduation in no more than 36, 41, or 45 continuous months. Students must have attended only Texas public high schools and must be Texas residents. To apply, the high school counselor must submit documentation to the Texas Higher Education Coordinating Board. Award amounts vary.

TANF Recipient Exemption

This program provides a tuition and fee exemption for students that have received TANF for at least six months of their senior year in high school. The student must be under 22 years of age and must start using the exemption within 24 months of high school graduation. Students must apply through the Department of Human Services.

Blind/Deaf Students Exemption

Legally blind or deaf students may be exempt from paying tuition and all fees. Application must be made through the Department of Assistive and Rehabilitative Services (DARS).

Foster Care Students Exemption

Students that have been in foster care or other residential care under the conservatorship of the Texas Department of Protective and Regulatory Services (DPRS) and meet one of the following criteria;

- are in DPRS on or after the day preceding the student's 18th birthday;
- the day of the student's 14th birthday, if the student was also eligible for adoption on or after that day; or
- the day the student graduated from high school or received the equivalent of a high school degree, are eligible to receive a tuition and fee exemption. The student must enroll within 3 years of the earliest of the following dates:
- the date the student was discharged from foster or other residential care
- graduated from high school or received the equivalency degree, or
- the student's 21st birthday.

Senior Citizens Exemption

Senior citizens 65 or older may be exempt from paying course-related fees. To receive the exemption, students must present a valid picture ID and proof of birth date to the Midland College Financial Aid Office.

Fire Fighter Exemption

Students employed as fire fighters are exempt from the payment of tuition and laboratory fees for courses offered as part of a fire science curriculum. To apply, students must contact the Midland Fire Science Department and submit documentation to the Midland College Financial Aid Office.

Texas National Guard Tuition Assistance Program

Certain members of the Texas Army or Air National Guard and Texas State Guard may be eligible to receive a tuition exemption. To apply, students should contact the Education Services Office at Camp Mabry: http//www/agd.state.tex.u.s./education/.

Educational Aides Exemption

Students that are certified educational aides may be eligible for a tuition and fee exemption. Eligibility is based on a current Free Application for Federal Student Aid (FAFSA) or previous tax returns. In addition, students must meet Midland College criteria for satisfactory academic progress. Students must apply through their employing school districts.

Clinical Preceptors and Their Children Exemption

Eligible persons employed as clinical preceptors and their children may be eligible to receive a tuition exemption (up to $500). Application are available in the Midland College Financial Aid office.

Grants

Federal Pell Grant

Eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). The award amount (approximately $5,550 maximum) is determined by need and is set by the U.S. Department of Education each year.

Federal Supplemental Educational Opportunity Grant (SEOG)

Eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). The award amount is determined by need with a minimum of $100 per year and a maximum of $4,000 per year.

Texas Public Education Grant (TPEG)

Eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). The award amount is determined by need.

Leveraging Educational Assistance Partnership Program (LEAP) & State Leveraging Educational Assistance Partnership Program (SLEAP)

Eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). The award amount is determined by need.

Toward Excellence, Access, and Success (TEXAS) Grant Program

Among other criteria, eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). To qualify, a student must be a Texas resident, graduate from a public or accredited private high school in Texas no earlier than fall 1998, apply no later than 16 months after high school graduation, complete the recommended or advanced high school curriculum or its equivalent, have financial need, enroll in at least 9 semester hours in an undergraduate degree or certificate program, have a family contribution of no more than $4,000, and not have been convicted of a felony or a crime involving a controlled substance. The maximum award amount at Midland College is $1,780 per year.

TEXAS Educational Opportunity Grant (TEOG)

Among other criteria, eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). To qualify, a student must be a Texas resident, have financial need, if applying for his/her first award have a family contribution of no more than $2,000, be enrolled at least ½ time in the first 30 hours (or their equivalent) in an associate's degree or certificate program at a public two-year institution of higher education, and have not been convicted of a felony or a crime involving a controlled

substance. The maximum award amount at Midland College is $1,780 per year.

Academic Competitiveness Grant (ACG)

Eligibility is determined by completion of the Free Application for Federal Student Aid (FAFSA). The award amount is up to $750/yr. for freshmen and $1,300/yr. for sophomores.

Satisfactory Academic Progress for Financial Assistance

In order to maintain eligibility for federal, state and some forms of institutional financial aid, students must meet certain minimum standards. These provisions apply retroactively. The student's academic record at Midland College is used to measure satisfactory progress and all periods of enrollment at MC must be counted, including any semesters in which the student did not receive financial aid. There are three standards for satisfactory progress: successful completion of courses, cumulative grade point average (GPA) and time frame.

Successful completion of courses - Students must successfully complete at least 75% of the annual credit for which they have registered as of their enrollment on the Census date (the official count day at Midland College). This includes both developmental and college level course work. Successful completion is measured by grades of A, B, C, D, and P. Grades of F, W, AU, N, and I are counted toward the total hours attempted but not successfully completed each semester.

Grade point average - Students must maintain a yearly GPA of at least 2.0. Grades of A, B, C, D, P and F contribute toward this GPA. Students who have not previously attended Midland College will be assumed to be making satisfactory progress at the time of first enrollment. Remedial course work is included in the yearly GPA calculation.

Time frame - Federal regulations specify that the maximum time frame for program completion may not exceed 150 percent of the published length of the program. If before completing a program, the student switches degree or certificate programs, Midland College will not count toward the 150% maximum time frame the credits attempted in the old major. However, any courses that apply to the new program must be counted. For transfer students, MC will count those transfer credits that apply toward the new or current program. Students who exceed the 150% maximum time frame limit will no longer be eligible for federal and state financial aid. Credits that have been repeated will be counted toward the 150% maximum time frame. The new grade will be used to calculate GPA.

In most cases, students that have already received a type of degree, have already exceeded the maximum time frame. These students will need to contact the Financial Aid Office regarding their eligibility.

Scholarship and state grant recipients must also satisfy any additional program requirements.

Complete Withdrawals

Students that withdraw from all courses in which they are enrolled before 60 percent of the semester has passed, will immediately be placed on financial aid suspension. Students may also be responsible for paying back the unearned portion of the Title IV funds they have received.

Failing Grades and Incompletes

Students that receive failing grades (F), Incompletes (I), or a combination of all Fs and Is at the end of the semester will immediately be placed on financial aid suspension.

Consequences of Not Making Progress

Student progress is evaluated once each year at the end of the spring semester-except in the case of complete withdrawals, Fs, and Is. At the time of evaluation, if a student fails to maintain satisfactory progress, the student will be placed on financial aid suspension. Students who are on financial aid suspension will no longer be eligible to receive any form of financial assistance at Midland College.

Procedure to Follow for Removal of Suspension

Financial aid suspension, for reasons other than time, may be lifted if students receive academic advising and complete the required number of hours and achieve a 2.0 GPA.

Students on suspension who have mitigating circumstances may request a review in writing to the Director of Financial Aid. No action will be taken until a written request for review has been received. The request must include the following:

a. the circumstances which caused the suspension,
b. plans to correct the circumstances,
c. future enrollment plans,
d. a current academic transcript,
e. other pertinent documentation.

Exceptions to this policy may be made at the discretion of the Director of Financial Aid. Criteria that will influence the Financial Aid Director's decision may include but is not limited to the following:

a. class attendance, completion of assignments, and substantiated academic progress in required courses;
b. unusual circumstances, such as extended medical confinement or a death in the family;
c. utilization of campus supportive services; or
d. response to Financial Aid Office contacts.

Students who are not removed from suspension by the Director after the summary review may make written appeal to the Midland College Vice President of Student Services. Written procedures are available in the Financial Aid Office.

Academic Information

Section Contents

Student Academic Information

Student Classification and Load

Student classification is defined as follows:

Freshman	1-29 semester hours
Sophomore	30-59 semester hours
Junior	60-89 semester hours
Senior	90 semester hours or above

The normal student load during a regular semester is 12 to 15 hours with a maximum of 19 hours. Maximum load during the summer session is 7 hours for each six-week term. Appeals for an overload should be directed to the Vice President of Instruction or a designee.

The following guide is offered to help evaluate the number of hours a working student should try to complete in one semester.

Hours worked per week	Suggested Semester Hours
40	3-6
30	9-12
20	12-15
15	15-17

Scholastic Standards

Student retention is essential to the Midland College mission and every effort is made to promote student success. Each student's scholastic performance is evaluated each regular semester. The standard is achievement of a 2.0 GPA and completion of at least half of the semester hours attempted. A student is in good scholastic standing if he/she has no previous academic record at Midland College or has met the minimum scholastic standard.

A student who falls below the minimum scholastic standard will be placed on scholastic probation and will be allowed to enroll for a maximum of 12 semester credit hours in the next regular semester. A student who fails to meet the minimum scholastic standard for the last two regular semesters will be placed on enrollment restriction and will not be allowed to enroll for more than 6 semester credit hours in a regular semester. A student will be notified when placed on scholastic probation or enrollment restriction. To remove this restriction, a student must complete 6 semester credit hours during a regular semester or 2 consecutive summer sessions with a 2.0 GPA.

A student will not be placed on scholastic probation or enrollment restriction as a result of scholastic performance during summer sessions. However, scholastic performance during summer sessions may be used to remove scholastic probation or enrollment restriction. Only semester credit hours and grade points earned at Midland College are used for calculations of scholastic standing.

Upon student request, a counselor/advisor may grant an exemption to the enrollment limits resulting from scholastic probation or enrollment restriction. If a student's request for exemption is denied, he/she may appeal this decision in writing to the Vice President of Instruction or his/her designee.

Grades

A grade is assigned for each credit course which a student completes, and a passing grade may be earned only if the student is enrolled for the duration of the course. The instructor of record determines all grades for a course. The method of determining a grade is included in the syllabus that is presented to students at the beginning of the course.

Grades or transcript notations and their corresponding rating values are as follows:

Grade	Rating	Transcript or GPA Value
A	Excellent	4 grade points per semester hour
B	Above Average	3 grade points per semester hour
C	Average	2 grade points per semester hour
D	Passing	1 grade point per semester hour
F	Failing	0 grade points per semester hour
I	Incomplete	Not computed in GPA
P	Pass for P/F option	Not included in GPA
W	Withdrew Officially	Not included in GPA
AU	Audit	Not included in GPA
CR	Credit for Examination	Not included in GPA
N	No Grade Reported	Not computed in GPA
*	Repeat of Course	Included in GPA
( )	Course Repeated	Not included in cumulative GPA
[ ]	Developmental Course	Included in semester GPA only
@	(After Grade) Articulated Course	Not computed in GPA
H	(After Grade) Honors Designation	Honors Course

A semester hour is the standard unit of measurement of college work. Semester hours are assigned to courses based on instructional hours per course in lecture, laboratory and/or external learning experience as approved by the Texas Higher Education Coordinating Board. The second digit of the course number indicates the semester-hour credit. Course numbers beginning with "0" are not college-credit courses.

Grade point averages (GPA) are computed by dividing the total number of grade points accumulated by the total number of semester hours attempted. Grades of "W" are not included in calculations of grade averages, and incomplete grades are not included until the final grades have been recorded.

Honors Program

The Midland College Honors Program provides an enhanced, creative, and supportive learning environment and special recognition for talented students. The curriculum includes interdisciplinary humanities courses, special honors sections, and independent honors contracts in regular classes. These opportunities provide a flexible and individualized program designed to develop the special abilities and interests of the participants. Graduation as a "Midland College Scholar" is possible with 12 semester hours of honors credit including one humanities course HUMA 1301 or 1302. Other students in the program, but with fewer credits, will receive "Honors" designation on their transcripts. For further information and application forms go to Midland College Website midland.edu/honors or contact Director Dr. Donna Thompson, MHAB 173 (432) 685-6827, or contact the Division office MHAB 153 at (432) 685-6809.

Honor Roll

The honor roll is published after the fall and spring semesters. The purpose of the honor roll is to recognize academic achievements for full-time and part-time students enrolled in 6 or more credit hours. Students earning a semester GPA of 4.0 will be included on the President's List; those earning 3.50 to 3.99 will be included on the Dean's List. Only credit level coursework is calculated in the GPA.

Graduation/Degree Posting

Each spring, Midland College holds commencement to recognize those students who have completed degree and certificate programs during the course of the year. All students who have completed graduation requirements for an associate's degree or a certificate of at least 24 hours, are encouraged to participate in the commencement ceremony in May. A student who has **not** completed all graduation requirements may participate in commencement if:

1. he/she lacks nine semesters credit hours or less of required course-work;
2. all non-course requirements for graduation have been met;

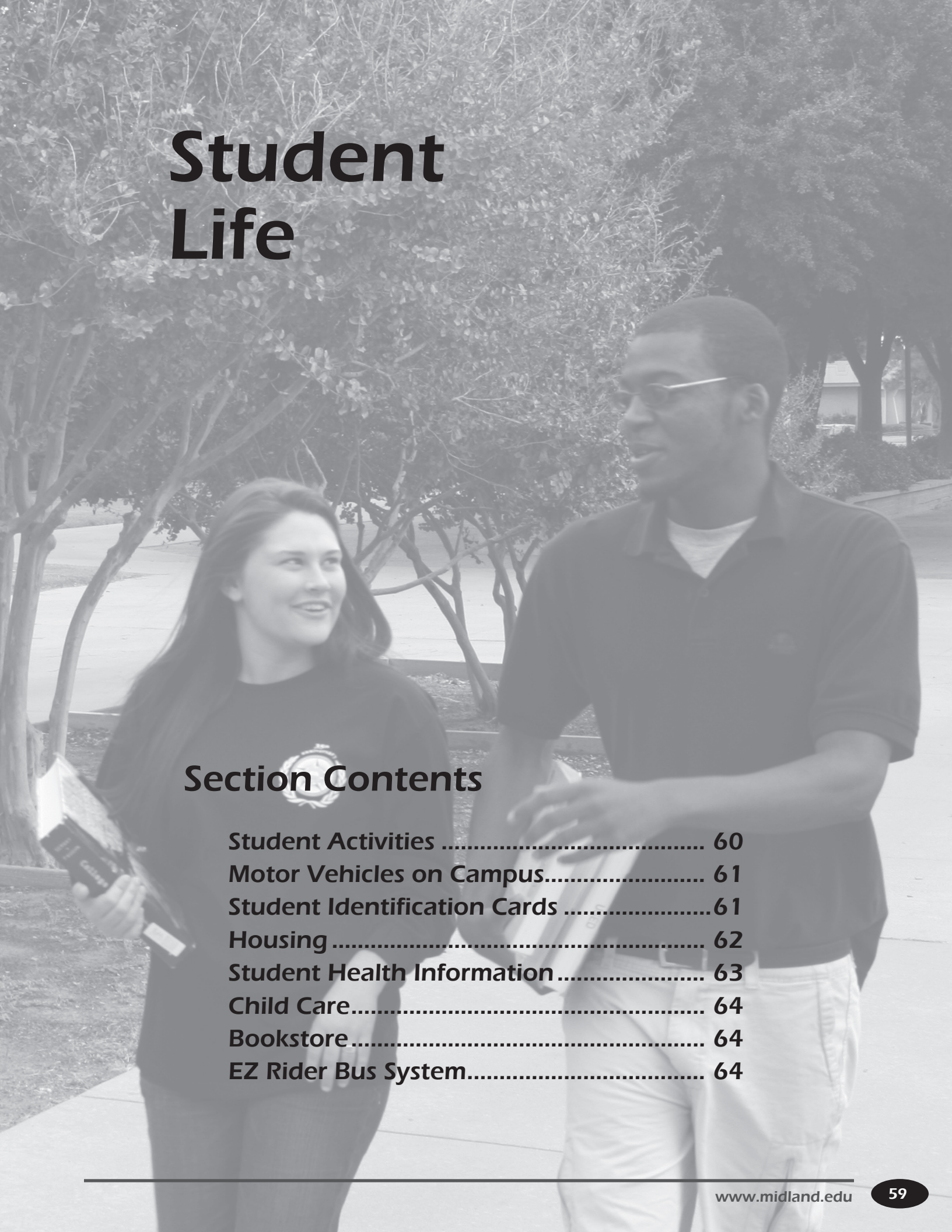
Exceptions may be made by the Vice President of Instruction.

Students must file an application for graduation early in the semester in which they will complete their course-work. The application may only be filed by the student either in the Registrar's office or online. Students who plan to participate in the May ceremony must apply for graduation by March 1. Students are also responsible for filing all transcripts from other colleges with the Registrar.

Degrees and certificates are posted to transcripts only after the student has completed all requirements. Transcript postings are made at the end of the Spring, Summer and Fall semesters.

Graduation with Honors or High Honors is calculated by the Midland College Registrar. The GPA is determined by using only Midland College courses. For the printed graduation program, the calculation is made only on those courses that have been completed through the fall semester preceding spring graduation. For posting to the transcript, all Midland College courses are used to determine Honors status.

Student Life



Section Contents

Student Activities

An important part of Midland College is its varied student activities program including student events, concerts, lectures, educational programs, intramural competition, and clubs. These activities serve as a source of enrichment to the regular classroom experience.

Events vary from year to year, there are fall mixers to welcome new students, after-game parties, bowling, casino night, dances, and noon-time entertainment. Student activity calendars listing various special and regular events are published each month. Most special events and programs are available at no cost to students. Students are also admitted to all athletic events and activities with a Midland College student ID. Contact a member of the Student Government Association or the Student Activities Coordinator at (432) 685-4543 for more information..

Student & Personal Announcements Guidelines

Midland College provides bulletin boards on campus for personal announcements. Before posting announcements, they must be approved in the Student Activities Office. Announcements will remain active for 60 days and thereafter will be removed.

Student Government Association

The Student Government Association (SGA) is a college-sponsored organization that provides numerous leadership opportunities. The Midland College SGA participates in regional and statewide organizations. SGA members are the student voice to the college administration regarding policies of the college. The SGA officers and members are selected in campus-wide elections. This group is also responsible for the directing and planning of student-initiated social, educational and community service activities. In February, clubs and organizations sponsor Homecoming nominees. The student body elects the winners, and the Homecoming Queen and King are announced during halftime of the men's basketball game.

Athletics

Midland College currently has teams in six varsity sports: men's golf, men's and women's basketball, women's softball, men's baseball and women's volleyball. Midland College teams compete in the Western Junior College Athletic Conference which is comprised of ten schools in Texas and New Mexico. Midland College athletic teams have made outstanding showings on conference, regional and national levels.

Intramurals

Intramural sports offer the opportunity for students to participate in favorite sports during leisure time or in competitive tournaments. Intramural activities include flag football, basketball, volleyball, tennis, pool, golf, soccer, and ping-pong. Member schools of the National Intramural Recreational Sports Association hold annual tournaments. These activities afford our intramural athletes the opportunity to compete with other students from around the state. Students interested in intramural sports should contact the Intramural Director, at (432) 685-6467.

Cheerleaders

Chaparral spirit is exemplified by the Midland College cheerleaders. Cheerleaders receive stipends each semester. Tryouts are held in late spring.

Campus Clubs and Organizations

Midland College offers a variety of academic, social, religious, and political clubs each academic year. Please call (432) 685-4544, come by the Student Activities office or join us at Club Fair the third Wednesday of the semester for more information.

Honor Society

Phi Theta Kappa is a national scholastic fraternity. Students must qualify for membership. For further information call (432) 685-6830.

New clubs and organizations

Copies of policies and procedure for registration, general criteria, and meetings/programs/activities of student organizations can be obtained in the Student Activities Office in the Scharbauer Student Center or by contacting the Student Activities Office at (432) 685-4544.

Publications

Communication Department students publish *The Chaparral*, a campus life magazine, and *El Paisano*, a campus newspaper. *The Tableau* is an annual publication that promotes creative writing.

Motor Vehicles on Campus

These regulations are established by the college, pursuant to VATS, Education Code section 51.202, to facilitate the safe and orderly conduct of college business including parking. The college makes every effort to provide protection to vehicles parked on campus but cannot assume the responsibility for any loss. Operating a motor vehicle on the campus is a privilege and is conditional, in part, on complying with these rules and regulations.

General Regulations

a. The person who registers a vehicle with the College obtains a non-transferable parking permit and is responsible for all parking violations.
b. Pedestrians are given the right of way at all times.
c. The maximum speed limit on campus streets is 25 miles per hour, unless otherwise posted. The parking lot speed limit is 10 miles per hour. The campus is defined as all lands owned by the College.
d. The above regulations apply to all college faculty, staff, students and visitors.

Vehicle Registration

a. In order to operate a vehicle on campus, students, staff, and faculty must obtain a vehicle registration permit at the Information desk located in the Scharbauer Student Center. Operation of a vehicle on campus without a permit is a violation of traffic and parking regulations.
b. Students are required to register motor vehicles at the time of registration or when they begin driving on campus. There is no additional charge for the permit.
c. Faculty and staff must register their vehicles on or before the day they begin driving a vehicle on campus.
d. Any person giving false information regarding vehicle registration is subject to disciplinary action.
e. Parking permits must be affixed to the inside of the windshield on the lower right side.
f. State law requires that vehicles have Texas registration and Texas Vehicle Inspection Certificates if the owner of the vehicle resides in Texas.

Parking Information

a. The College issues staff and student permits.
b. Parking spaces for staff are designated by signs at the end of every row and by yellow striping on the pavement. Only employees and visitors are allowed to park in those areas. Special parking areas, such as handicapped and fire zones, are indicated by signs and/or red markings on the curb. Parking is not permitted next to any red-painted curb.
c. The Administration parking lot (between Scharbauer Student Center and the Pevehouse Administration Building) is reserved for administration personnel and visitors, except during registration.
d. Students working on campus will be assigned student permits and must park in student parking.
e. Persons with physical handicaps who have been issued the state-authorized handicapped parking permits or license plates must obtain a college permit but may park in any handicapped parking area so long as the handicapped permit is displayed as required by state law.
f. Parking permits will be issued to allow parking of motorcycles in designated two-wheel areas. Permits must be permanently attached to the fork on the front of the motorcycle.
g. Replacement permits or additional permits are $1 each and are available at the information window in the Scharbauer Student Center.
h. Parking violations must be paid at the Cashier's Office; unpaid fines will result in transcript and registration holds.

Parking Fines and Penalties

Unauthorized parking in handicapped space	$50.00
Blocking traffic way	$15.00
No permit	$10.00
Student parked in employee zone	$10.00
Parking where prohibited	$15.00
Expired permit	$10.00
Other	$10.00

After a student receives five tickets in any semester, the next violation will include the installation of a "boot" on his/her vehicle to immobilize the vehicle. There will be a charge of $50, in addition to the parking fine, for removal of the "boot". Every subsequent violation by that student will result in the "boot" being applied to his/her vehicle and an additional $50 charge.

Student Identification Cards

Students should obtain an identification (ID) card at the time of registration. The ID card entitles students to free admission to athletic events, student government entertainment, intramural activities, fine arts programs, dances, movies and videotape series. It provides identification in the Murray Fasken Learning Resource Center to enable the student to check out materials, to use computer labs and at the bookstore for scholarship identification. ID cards entitle the student to discounts at participating businesses. Lost ID cards may be replaced in the Student Services office for $1.

Housing

Midland College offers modern residence halls and family housing which provide an atmosphere for academic success and appropriate social activities, for full-time students (enrolled in 12 or more semester credit hours). Students living in MC housing are expected to behave responsibly, promote respect for the rights of others, follow all rules and regulations, support appropriate study opportunities, and enjoy a positive college experience.

A full-time manager lives in each of the residence halls and a part-time units manager lives in family housing, providing supervision and direction for students. They are responsible for the daily operation of housing and individual assistance/referral for students for both academic and personal issues.

Residence Hall Reservations

- Submit a completed application for housing available from Student Services or online at www.midland.edu.
- Mail $100 room reservation deposit and $10 application fee with completed application to Midland College Student Housing, 3600 N. Garfield, Midland, TX 79705.
- Room assignments are made on a first-come, first-serve basis after the application and deposit are received. Roommates will be assigned by college personnel with consideration given to roommate preferences.
- Texas HB 4189 became effective January 1, 2010. It requires all students wanting to live on Midland College's campus for the first time have a bacterial meningitis vaccination at a minimum of ten (10) days prior to move in. Future residents must submit one of the following to the Student Life Office: Evidence of the student having received the vaccination from an appropriate health practitioner; or an affidavit or a certificate signed by a physician who is duly registered and licensed to practice medicine in the United States, in which it is stated that, in the physicians's opinion, the vaccination required would be injurious to the health and well being of the student; or an affidavit signed by the student stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, including a religious belief. A conscientious exemption form from the Texas Department of State Health Services must be used. (http://webds.dshs.state.tx.us/immco/affidavit.shtm)
- The room reservation is confirmed and assigned upon receipt of a signed housing contract. This contract is legal and binding for the full academic year and expires at the end of the spring semester.
- Room reservation deposits are refunded if written notification is received by July 1 for the fall semester and December 1 for the spring semester and May 1 for any of the summer sessions.
- Reservation deposits submitted after July 1/December 1/May 1 are not eligible for refunds.
- After students move in, the reservation deposit becomes the property damage deposit.

Family Units Reservations

- Submit a completed housing application and $10 non refundable application fee.
- Once notified of an upcoming vacancy, applicants will be contacted and required to leave a $200 deposit to reserve the vacancy. This is non refundable.
- Once a student moves in the $200 deposit becomes a property deposit. Property deposits are refundable (minus damages and other college charges) if a thirty day written vacate notice is given.

Residence Hall Information

- The residence halls will be available for move-in at 10:00 a.m. on the Saturday before the first day of class each semester and 12:00 p.m. the day before classes for each summer session. The official move-in day occurs when residents complete the appropriate paperwork. In the fall and summer semester sessions, students must vacate residence halls within 24 hours of the last final. In the spring, halls will close on Saturday at noon following the last day of class. Residence halls will be closed during Christmas break.
- Food Service during full length semesters will provide

19 meals per week: school days - 3 meals per day, weekends/holidays - 2 meals per day during posted hours of operation.
- Mail $100 room reservation deposit and $10 application fee with completed application to Midland College Student Housing 3600 N. Garfield, Midland, TX 79705.
- Summer meal plans will vary.
- Students living in family housing are expected to pay rental charges due on the 1st of each month. Failure to pay within 30 days will result in eviction.

- Housing occupants are subject to the rules and regulation, policies and procedures of the college.

Room and Meal Charges

Hot and cold food and beverages may be obtained at the snack bar located in the Scharbauer Student Center, Café Pepe' in the Marie Hall Academic Building or the Jack E. Brown Dining Hall. Breakfast and lunch are available to students, faculty, staff and visitors.

All students who reside in residence halls are required to pay for both room and meal charges. Applicable sales tax will be charged on the meal charges. Current sales tax rate is 8.25 percent and the current meal charges are $1,025.00 a semester. The current room rate is $1,025.00 a semester.

Students may pay tuition and fees and/or room and board on an installment basis. These require two separate plans. The student can execute an installment agreement on the Midland College website www.midland.edu within their Campus Connect account. A $25.00 processing fee is charged for each plan. There are different payment plan options depending on the time that you register. Failure to pay the complete balance may result in denial of course credit for that semester.

Meal tickets for non-dorm students is $1,025.00 + state sales tax per semester.

Prices are subject to change due to fluctuating food costs.

Withdrawal from Residence Hall

Official withdrawal prior to the first official move-in day*	100%
Official withdrawal the first two weeks after official move-in week	75%
Official withdrawal prior to the 6th week after official move-in week	50%
Official withdrawal prior to the 11th week after official move-in week	25%
Official withdrawal during or after the 11th class week	0%

The residence hall contract is an academic year agreement which expires at the end of the spring semester. Students moving out of the residence halls prior to the end of the spring semester will forfeit property damage deposits. For students completing contract term, room deposits, less any damages, will be returned at the end of the academic year.

Interim:	No refunds
Summer I & II:	Refund of 50% during first week No refund after the first week No deposits will be returned if contract is not completed in full
Summer Camps, Interns, Rentals:	No refund once check-in has started

Room and meal charges will be refunded for the fall and spring semesters as follows:

*Completion of any housing paperwork/or issuing of keys constitutes the first official move-in day.

Room and meal charges will be refunded for Summer as follows:

Food Services

Hot and cold food and beverages may be obtained at the snack bar located in the Scharbauer Student Center, Cafe Pepe in the Marie Hall Academic Building or the Jack E. Brown Dining Hall. Breakfast and lunch are available to students, faculty, staff and visitors.

Student Health Information

Emergency Medical Care

Students in need of first aid should notify a Midland College employee. When a call for emergency medical care is in order, the responding unit will determine whether to treat a patient on the premises (at no charge) or to transport to the emergency room at the hospital ($275 for ambulance call).

Student Insurance

Brochures for medical insurance and personal property insurance in apartments or residence halls are available in the Student Life Office.

Chronic Communicable Disease (CCD)

Midland College places a high priority on the need to prevent the spread of chronic communicable diseases on its campus and is committed to educate its staff, students, and the community. Specifically, because there is currently no cure or vaccine for AIDS, education regarding methods by which this virus may be transmitted and how to prevent transmission is essential. A community resource is available for AIDS information referral and testing. There is no charge, and all information is confidential. Brochures and contact numbers are available through the Housing Department and Student Services.

When the risk of the transmission of CCD to others and/or the risk of further injury to the CCD victim is sufficiently remote, the student shall be allowed to continue attending college. The student's medical condition shall only be disclosed to the extent necessary to minimize the health risks to the student and others. Midland College accepts responsibility to prevent the improper release of student information and shall release such information only in accordance with pertinent laws and regulations. Each case shall be handled on an individual basis. The disposition of an individual case by the College administration shall be determined only after proper input by the student's physician and any other health professional who is deemed to be experienced in the treatment and diagnosis of a CCD. Persons deemed to have a "direct need to know" will be provided with the appropriate information; however, these persons shall not further disclose such information.

Pesticides

This school periodically applies pesticides. Information concerning these applications may be obtained from the Director of the Physical Plant, (432) 685-4569.

Health Risks of Alcohol and Drugs

Drug and alcohol misuse are complex behaviors with many determinants at both the cultural and individual level. Awareness of the effects of any drug/alcohol is imperative for an individual's well-being or survival.

Alcohol acts as a depressant, affects mood, dulls the senses, and impairs coordination, reflexes, memory and judgement: seriously damages the liver, kidney, pancreas and brain and is the leading cause of death among individuals 15-24 years of age. Alcohol shortens the lifespan of heavy drinkers by approximately 10 years.

Prolonged use of marijuana leads to increased tolerance and severe psychological dependence. An immediate increase in heart and pulse rate may cause an acute panic anxiety reaction. Overdose may result in seizures, heart-stop, coma, or death.

Opiates are highly addictive and may cause infections of the skin, liver, heart and lungs.

Tobacco causes shortness of breath, nagging cough and heart difficulties. Long term effects may be emphysema, bronchitis, heart disease and cancer. Tobacco is as addictive as heroin.

Services Available to the Campus Community

Midland College provides students, faculty and staff with a confidential source of help when dealing with drug or alcohol abuse or addiction problems. Information is available in the Human Resources Office and Student Services Office.

Midland College's Student Services staff employs four Licensed Professional Counselors of which one is also a Licensed Chemical Dependency Counselor.

On campus Midland College has the Behavioral Health Center which avails affordable Counseling for substance abuse and related issues. It is a project of the college's Alcohol and Drug Abuse Counseling Program (ADAC). The phone number for this program is (432)-686-4219.

The college also promotes activities and programs with student support to focus campus attention on problems of drug abuse and alcohol abuse and has two licensed chemical dependency counselors on staff.

Expectations of Student Performance

a. Students are not to use, possess, sell or transfer any alcoholic beverage or any illegal, illicit, or designer drugs on campus or while engaged in any college instructional activity.
b. Drug and/or alcohol testing can occur in "for cause" situations when academic or clinical performance, conduct, or other actions indicate possible alcohol or drug use. The student is responsible for the cost of the drug and/or alcohol testing.
c. Students are required to participate in drug screening protocols established by clinical agencies utilized by the College.

Child Care

The Helen L. Greathouse Children's Center

The center exists for two purposes: service and teacher training. The service function is met by providing a high quality child care program for children ages 4 months through five years. The center hours of operation are 7:30 a.m. to 5:30 p.m., Monday through Friday. This service function is also met by providing a model early childhood education program for the children, families, and early childhood professionals of the Midland community. The Children's Center serves as a training site for students to practice teaching young children. The overall goal of the Children's Center is to help the children develop the competence to function in a changing world. Those interested in enrolling children in the center should contact the Director of the Children's Center for scheduling and fee information at (432) 685-4573.

Child Care Center at Manor Park, Inc.

Manor Park, a continuous-care retirement community for persons 62 years of age and older, is the site of a unique child care center operated by Midland College. Housed within Manor Park at 2208 North Loop 250, this center provides child care for Manor Park employees and community members and instructional support for child development, psychology, health science and other related courses. The center reflects the Manor Park philosophy which includes the presence of children within the senior adult community. Both Manor Park residents and the children benefit from the resulting social and cognitive interactions. For additional information, contact the program director at (432) 685-4573.

Bookstore

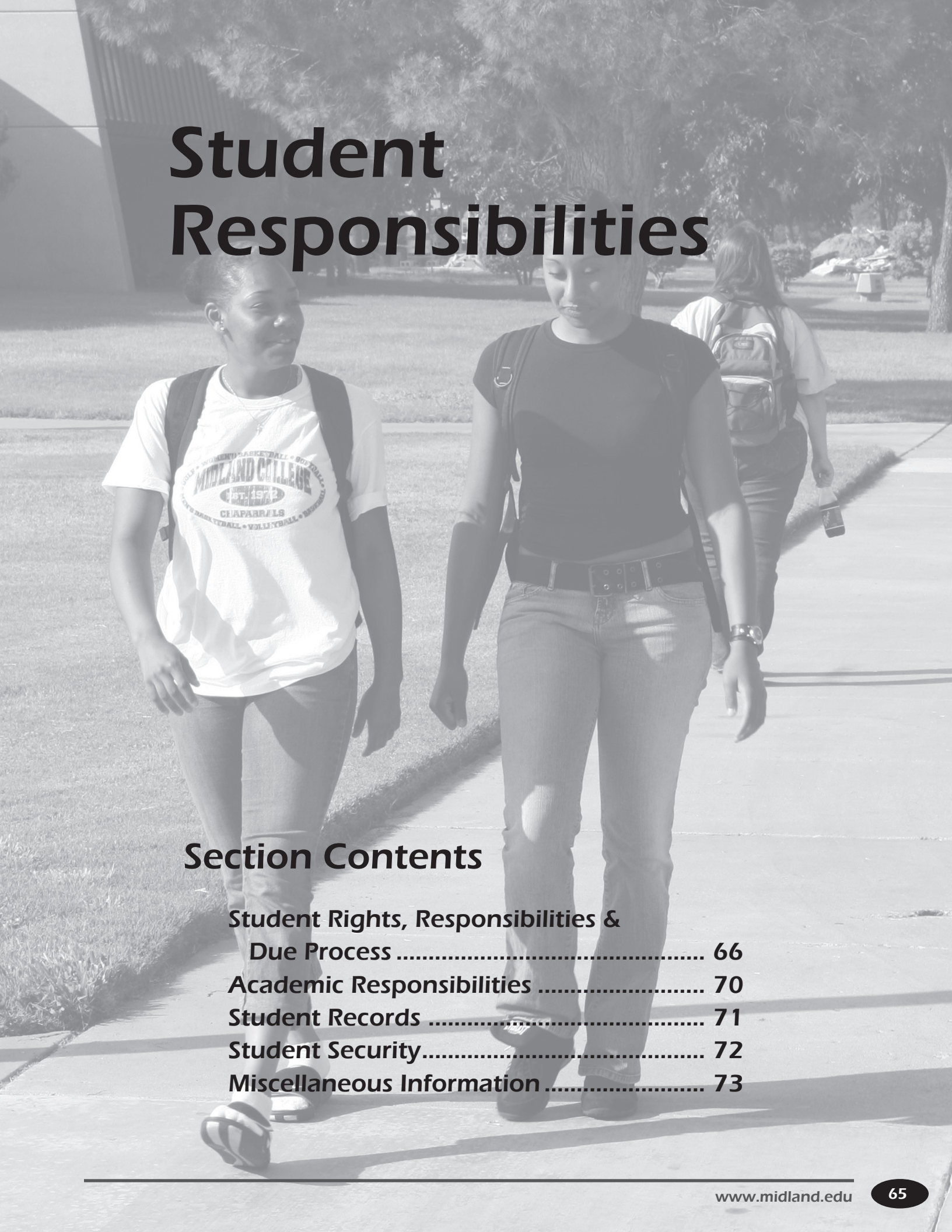
The college bookstore is operated for the convenience of students and faculty. Textbooks and classroom supplies are available on-site or online at: *www.midlandcollegebookstore.com*

New textbooks, in new condition, (i.e. no writing, highlighting or any damage which would prevent resale as a new book) as well as used books, may be returned for a full refund, with a receipt, through the 12th day of class of a regular semester, the first 3 class days of a summer session, or the first 2 class days of a flex-entry course. Textbooks purchased after the above dates may be returned for a full refund within 3 days of purchase.

EZ Rider Bus System

The campus is on Midland's EZ Rider public transportation system's route. The campus bus stop is on Chaparral Circle, just north of the bookstore. Citywide, buses operate from 6:15 a.m. to 7:10 p.m., Monday through Friday and 6:15 a.m. to 10:10 p.m. on Saturday. Buses stop on campus every 30 minutes, first traveling north and then returning south, and connect to other parts of the city. Maps are available in Student Services, and bus passes can be purchased from the cashier.

Student Responsibilities



Section Contents

Student Rights, Responsibilities & Due Process

Students, employees and visitors at Midland College, by the nature of their citizenship and residence, have certain individual rights and freedoms established by the Constitution and the laws of the United States, the State of Texas and the respective communities where they live. The possession of the personal rights is neither increased nor diminished by reason of a person's association with Midland College.

1. Midland College recognizes and accepts the following rights and freedoms as being essential to the educational process:

a. Freedoms of expression in the classroom consistent with commonly accepted standards of decency and respect for others;
b. Freedom from improper, unfair, or capricious academic evaluation;
c. Freedom from unlawful harassment, including sexual harassment;
d. The right to have one's personal record kept in professional confidence;
e. Freedom of association;
f. Freedom of inquiry and expression consistent with commonly accepted rules governing libel, slander and good taste;
g. Freedom of exercise in the rights and responsibilities of citizenship;
h. Guarantee of procedural due process in disciplinary proceedings; and
i. The right to distribute or post printed material in compliance with the college's posted policy.

2. Midland College expects employees, students, visitors and guests of the College to accept the following responsibilities:

a. Compliance with and support of duly constituted civil authority;
b. Respect for the rights of others and cooperation to insure that such rights are maintained, whether or not one agrees with the views of those exercising such rights;
c. Maintenance of ethical and commonly accepted standards of decency and respect for others and stewardship of college resources while using electronic communication devices;
d. Cooperation to insure that the will of the majority is implemented after due consideration, but not to include the suppression of the minority;
e. To exercise disagreement in a responsible manner and within the framework compatible with the orderly resolution of differences;
f. Knowledge of and active support of college regulations.

3. Students with identified disabilities should report their need for accommodation to the Student Services Office. Students with grievances related to discrimination on the basis of a disability may contact the Student Services Office or follow the directions on the posted notices for grievances.

I. Scholastic Dishonesty and Academic Misconduct

Midland College encourages high academic standards, including student responsibility for original work. As a part of this stance, Midland College endorses the following definitions and guidelines regarding scholastic dishonesty and academic misconduct, including the areas of cheating, plagiarism, and collusion.

Academic Misconduct

Academic misconduct is the actual or attempted tampering or misuse of academic records or materials such as transcripts and examinations. Examples are: stealing, buying, or otherwise obtaining all or part of an unadministered test or academic exercise; selling, buying, or giving away all or part of an unadministered academic exercise or any information about it; changing or altering a grade book, test, "drop form," or other official academic record of the college; unauthorized entry into a building or office for the purpose of changing a grade or tampering in any way with grades or examinations.

Cheating

Cheating is defined as the deliberate use of unauthorized materials and/or actions or fraudulent acquisition in order to obtain information for an examination or assignment.

Plagiarism

Plagiarism is defined as the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own written work offered for credit. A student commits plagiarism if he/she:

a. Fails to acknowledge the sources of any information in a paper which is not either common knowledge or personal knowledge. A student can acknowledge a source through in-text citations cross referenced to a works cited page, attribution lines, footnotes, or other forms of documentation approved by the instructor. (Common knowledge is the basic information within a field or discipline, as well as most historical dates and facts, and many ordinary observations.)
b. Fails to acknowledge direct quotation either by using quotation marks or (for longer passages) indentation. Without the quotation marks or indentation, passages copied directly from a source might be considered plagiarized even if it is followed by an in-text citation or a footnote. The citation or footnote acknowledges that there is a source, but it does not indicate that the writer has used someone else's exact words.

c. Merely paraphrases the original words of the source. Some students think they can avoid a charge of plagiarism by changing a few words in each sentence that they copy or by rearranging the shape of phrases or the order of sentences in a paragraph. This is not true. When taking notes students, must be careful to put ideas in their own words or to use direct quotations when relying on phrases directly taken from a source.
d. Uses the ideas, examples, or structure of the source without acknowledging it. A student can be guilty of plagiarism if he/she systematically borrows the ideas and organization of a source, even if the language of the piece is on a major news event, by using exactly the same ideas in the same order as they appear in an article in any popular news magazine.
e. Takes, buys, or receives a paper written by someone else and presents it as the student's own.
f. Uses one paper for two different courses, or re-uses a paper previously submitted for credit, without the prior approval of the instructor or instructors.

Collusion

Collusion is defined as the unauthorized collaboration with another person in preparing written work offered for credit or collaboration with another person to commit a violation of any section of these rules on scholastic dishonesty. A student commits collusion if he/she:

a. Allows someone else to edit papers or correct assignments without the instructor's knowledge or permission. It is scholastically dishonest for students to employ tutors to correct, edit or modify papers or assignments in any substantive fashion. The same reservations and restrictions apply, within reason, to any outside assistance a student may receive from a parent, friend, roommate, or academic tutor. Any changes, deletions, rearrangements, additions, or corrections made in papers or assignments should represent the student's own work. (Midland College provides many tutorial services. Tutors in these college facilities offer advice without editing or completing the required work.)
b. Reveals test information to another student enrolled in the same course.

Penalties

If a student has any questions or doubts about the way he/she is employing sources or assistance in any given assignment, he/she is advised to consult the instructor before handing in the assignment. The penalties for any type of scholastic dishonesty described in this statement can be severe and can adversely effect the student's permanent academic record. The instructor has the primary responsibility for recommending the penalty in cases of academic dishonesty after consultation with the Division Dean and the student. Students may seek review of the decision or redress of a grievance related to their participation in college programs or activities.

The instructor does have the right to enforce any one of the following penalties for scholastic dishonesty at his/her discretion and in response to each particular case:

1. Failure of the assignment;
2. Failure of the course;
3. Recommendation for disciplinary action, including institutional suspension or dismissal.

II. Other Student Conduct Regulations

Midland College has declared that the following actions constitute an interference with the lawful and orderly use of the College premises, facilities and activities to accomplish the objectives of the College. These actions are therefore strictly prohibited on the Midland College campus and other college property and facilities and during all college-sponsored activities wherever occurring:

a. Disrupting or obstructing or attempting to disrupt or obstruct, any lawful activity of the college.
b. Interfering with, or attempting to interfere with, the lawful exercise of freedom of speech, freedom of movement, freedom of peaceable assembly, or other rights of individuals or groups.
c. Illegally possessing, using, selling, or being under the influence of dangerous drugs, narcotics or alcohol.
   - The College prohibits possession and consumption of alcoholic beverages on Midland College property.
   - The College strictly enforces the state law that prohibits the possession and consumption of alcohol by those under the age of 21.
   - The College strictly prohibits attending classes while under the influence of alcohol or drugs.
   - The College prohibits possession or use of controlled substances or alcohol in its residence halls or at any off-campus college-sponsored event.
   - The College strictly enforces the local, state, and federal laws which prohibit the sale of controlled substances on its campus.
d. Possessing or using firearms, weapons, or explosives, unless authorized by the College. A person commits an offense if he or she intentionally, knowingly, or recklessly possesses or goes with a firearm, illegal knife, club or prohibited weapon on the physical premises of a school or educational institution, any grounds or building on which activity sponsored by a school or educational institution is being conducted, or a passenger transportation vehicle of a school or educational institutional, whether the school or educational institution is public or private, unless pursuant to written regulations or written authorization of the Midland College Administration (Texas Penal Code 46.03). This prohibition includes, but is not limited to, fireworks of any kind, illegal knives, clubs and razors.

   - In addition, Midland College prohibits the same weapons from being brought onto any campus of the College.
   - Lockers and vehicles on any campus of Midland College may be inspected by school personnel if there is reasonable cause to believe that they contain weapons, drugs or other contraband items.

- In the event a student possesses a license to carry a concealed handgun under state law, the possession of such weapons on any campus of the college is prohibited.
- Only local, state and federal authorities are authorized to carry firearms on their person when on the campus of Midland College, either as a visitor or a student.

e. Conduct on the part of any member of the college community which constitutes unlawful harassment shall not be tolerated. Unlawful harassment, including sexual harassment as defined below, or failure to carry out responsibilities specified below, may result in disciplinary action. Participating in sexual harassment is expressly prohibited and offenders are subject to disciplinary action. Sexual harassment may be defined as either unwelcome sexual advances, requests for sexual favors, and other expressive or physical conduct of a sexual nature, when:
   - Submission by a student to such conduct is explicitly or implicitly made a term or condition of status in a course, program, or activity; or
   - Submission to or rejection of such conduct is used as the basis for academic decisions affecting the student; or
   - Such conduct has the purpose or effect of substantially interfering with a student's academic performance; or
   - Such conduct, in intent or effect, creates an intimidating, hostile, or offensive environment for learning.

Students who perceive that they have been sexually harassed may address their questions or complaints to their appropriate counselor/advisor, supervisor, Division Dean, or other administrator. In such cases, the Vice President of Student Services or his or her designee should be contacted immediately for consultation. Resolution of the complaint will then be handled according to the usual procedures for grievances.

f. Advocating the overthrow by force or violence of any legally constituted governmental body, system, or any local, state, or federal law, or any rule, regulation or policy of the Board of Trustees and administrative officials of the College.

g . Engaging in physical assault, harassment, or obscene, profane, reckless, tumultuous, destructive or unlawful course of conduct.

h. Hazing in all forms, as defined and prohibited in the Texas Education Code Sections 37.151 to 37.157 and any addendum thereto.

i. Academic cheating or plagiarism; willfully submitting false information with the intent to deceive; forgery, alteration, or misuses of college documents or records.

j. Initiating malfeasance in an elective or appointive office of any college endeavor.

k. Refusing to present an appropriate appearance in dress and grooming while participating in or attending a college activity. Students who dress so unconventionally or bizarrely that it causes disturbances, disrupts campus life, or calls undue attention to itself will be asked to conform to a more conventional form of dress. At Midland College, individual members of faculty and staff are given a considerable amount of discretion in determining what is appropriate for the educational activity under their responsibility. Whatever is clearly stated by those responsible as being appropriate or not appropriate will be the prevailing standard in that particular area of activity.

l. Refusing or failing to comply with lawful order of any college or public official acting in the performance of duties in the administration and enforcement of these policies.

m. Participating in theft, vandalism, defacement or destruction of college or student property.

n. Failing to meet financial responsibilities to the institution promptly including, but not limited to, passing a worthless check in payment to the institution.

o. Failing to return, defacement of, or destruction of, college property which has been issued as educational equipment, such as, but not limited to, tools, cameras, recorders, musical instruments, etc.

p. Violating an established safety and health requirements in laboratory, shop or other educational settings.

q. Violating campus housing regulations.

III. Student Discipline

a. Any student violating policies and general rules on student rights, responsibilities, conduct and privacy shall be subject to immediate removal from any college premises, facilities, or activities. Such removal or exclusion shall not prejudice or interfere with subsequent disciplinary action by the College.
There are occasional exceptional situations where a student's physical or psychological condition is such that action needs to be taken to withdraw the student from the College. The action could occur, for instance, if the conditions were such that the student could not benefit from the educational program, was threatening to self and/or others, or was disruptive to others.

b. Complaints regarding student behavior may be originated by students, faculty, staff members, or citizens outside the college community. The Vice President of Student Services or his or her designee will investigate any complaints and notify the student in writing of all charges, the name of the person lodging the charge, the disciplinary action, and the right to a hearing.

c. Disciplinary action may include:
   1. admonition and warning
   2. formal written warning
   3. fines
   4. loss of privileges
   5. formal disciplinary probation
   6. suspension
   7. expulsion

College-imposed sanctions are additional to any action taken by law enforcement officials.

IV. Student Due Process

Midland College provides due process procedures for students to assure that specific problems are addressed in a fair, reasonable, and timely manner. Students may seek review of decisions or redress of grievances related to participation in college programs or activities including:

- disciplinary action
- assignment of a final course grade (see Grade Appeal Policy);
- denial of admission to, dismissal from, or denial of readmission to a limited access program, or
- perceived discriminatory action based on race, color, age, natural origin, sex, handicap, marital status, religion, or any other condition prohibited by law

Students are encouraged to seek informal resolution of problems by discussing issues directly with the College staff member involved and/or that individual's supervisor. In the event that informal discussions do not resolve disputed issues, students may request a formal hearing. The decision in dispute and related circumstances will be reviewed, and students will have an opportunity to present their viewpoints.

a. Hearing Procedures

1. Students seeking a formal hearing of a disputed decision must file a statement of grievance and written request for hearing with the Vice President of Student Services within 15 working days of the event in question. The request must describe the disputed act, the parties involved and the action requested.
2. The Vice President of Student Services will assure that appropriate College personnel are informed, and a hearing will be scheduled within 15 working days of the filing of a grievance. A due process facilitator will be appointed to conduct the hearing and provide information to all parties involved.
3. The hearing panel will consist of a balanced group including a member of the department or division involved, an individual outside the department or division involved, and a representative from the instructional area or the Student Services area, as appropriate. The student may present information and/or arrange, with permission of the facilitator, for others to present information. A student advocate will be available if the student needs assistance in the hearing procedure. The Midland College employee involved in the dispute may do likewise. All materials to be considered in the hearing must be submitted to the Vice President of Student Services 48 hours prior to the scheduled hearing. It is the policy of the College that legal counsel will not be involved in dispute resolution until all internal remedies have been exhausted.
4. The hearing panel may uphold, overturn or revise the disputed decision, and the facilitator conducting the hearing will provide all involved parties with a written statement of the panel's decision.
5. Actions which result from disputed decisions and which affect student status or participation in Midland College programs or activities will be deferred until after a formal hearing unless otherwise directed by either the Vice President of Instruction or the Vice President of Student Services.
6. When either the Vice President of Student Services or the Vice President of Instruction has been directly involved in the disputed action with a student, he or she shall designate a representative to serve in his or her stead during hearings or appeals.

b. Appeals

1. Either party may appeal the due process action taken by the hearing panel. Only procedural matters will be addressed in subsequent review.
2. A student seeking to appeal the decision of the hearing panel must file a written request with the Vice President of Student Services within10 days of receipt of the hearing panel's decision. This request must state the grievance and the requested action and will be forwarded to the appropriate Vice President for review.
3. If a need for an appeal hearing is determined, the Vice President of Student Services and the Vice President of Instruction will handle appeals in each other's areas of supervision including selecting balanced panels to hear appeals and chairing appeal hearings.
4. The student will be given a decision regarding an appeal within 10 working days of filing the request.

Academic Responsibilities

Absences

It is the responsibility of students to know the policies and procedures associated with absences. These policies are set by instructors. Excused absences may include, but are not limited to, illness, severe weather, and death in the family. Instructors will determine whether or not an absence is excused.

Three consecutive classroom hours of unexcused absences or a total of 6 classroom hours of unexcused absences as reported by the instructor may result in students being dropped. When a class is longer than one hour in length, a proportionately fewer number of absences is allowed. Midland College reserves the right to deal at anytime with individual cases of non-attendance.

In the case of excused absences, it is the obligation of the student to notify the instructor as soon as possible and make up all missed work.

When a student represents Midland College at an official event and will miss class, the student must notify instructors prior to the event.

Student Withdrawals

Requests for withdrawal must be made using the College's accepted withdrawal methods. Students must complete an official withdrawal form either in person in the Student Services office, online or by written request. Midland College reserves the right to decline approval of a withdrawal request for any reason. Such reasons may include, but are not limited to: submitting incomplete information on the request, not submitting current contact information for the student, not resolving any questions concerning the authenticity of the document, disciplinary actions, outstanding debts, TSI liability, etc.

Students who receive warning letters concerning non-attendance may complete the withdrawal request portion of the letter and return it to Student Services. Students who withdraw and have outstanding debts in any area of the College will not be given clearance to re-enroll until these debts are paid.

The last day for withdrawal for each registration period is published in the catalog and the current course schedule. Online withdrawal requests must be made on or prior to the dates listed.

Section 51.907 of the Texas Education Code-Limiting the Number of Course Drops for Undergraduate Students at Public Institutions of Higher Education in Texas.

Beginning with new state college and university enrollments in the Fall 2008 semester, a student may drop no more than six courses over the duration of his/her collegiate experience. This six-course limit applies cumulatively to all Texas public institutions of higher education in which the student has been enrolled. The following are the only exceptions to this legislative limit:

1. A severe illness or other debilitating condition that affects the student's ability to satisfactorily complete the course;
2. The student's responsibility for the care of a sick, injured, or needy person if the provision of that care affects the student's ability to satisfactorily complete the course;
3. The death of a person who is a member of the student's family or who is otherwise considered to have a sufficiently close relationship to the student that the person's death is a showing of good cause;
4. Active duty service as a member of the Texas National Guard or the armed forces of the United States of either the student or a person who is a member of the student's family or who is otherwise considered to have a sufficiently close relationship to the student that the person's active military service is a showing of good cause; or
5. A change in the student's work schedule that is beyond the control of the student, and that affects the student's ability to satisfactorily complete the course.

Please be aware of this policy as you consider dropping any courses during the semester.

Incomplete Grade

A student who does satisfactory work in a course but does not finish due to extenuating circumstances may be eligible to receive an Incomplete ("I"). An "I" grade is given after the student has had a conference with the instructor and an Incomplete Contract has been completed and signed. The contract states the conditions that must be fulfilled. The time permitted for the work to be completed can be no later than the end of the next regular semester. After the work is completed or the time has expired, a final grade will be assigned by the instructor or the division dean if the instructor is not available.

In exceptional cases, the deadline may be extended. An incomplete may only be extended once. An extension will only be granted after a conference between the student, faculty member, and the dean. Final approval must be given by the division dean. Appeals may be pursued according to student rights and due process procedures.

Grade Appeal Policy

Students are strongly encouraged to discuss their concerns regarding a grade directly with the involved faculty. If the disputed issue is not resolved, the next step is an informal meeting with the academic dean who is the direct supervisor of the involved faculty.

If the issue has not been resolved after a final course grade has been filed with the registrar, the student may request a formal hearing. During the hearing, the student and the faculty member will have an opportunity to present their viewpoints and relevant materials. Actions which result from disputed decisions and which affect student status or participation in Midland College programs will be deferred until after the formal hearing unless otherwise directed by the Vice President of Instruction.

A student seeking a formal hearing of a disputed action must submit a written notice to the appropriate Associate Vice President of Instruction within 30 business days of the beginning of the academic semester following the filing of the grade. The request must describe the disputed act, the parties involved, and the action requested.

The Associate Vice President of Instruction will inform appropriate college personnel, including the Vice President of Student Services, and a campus facilitator, of the hearing. The Vice President of Student Services or the designee will provide the student with a list of approved campus advocate to assist the student with the appeal procedure. Facilitators and resource persons will be selected by the appropriate Associate Vice President of Instruction and will receive training in grade appeal procedures and standards.

A hearing will be scheduled within 15 business days of the student's written request. The facilitator will schedule the hearing, receive information from the parties involved, assemble a panel and distribute relevant information to the panel members. Panel members will include a member of the division involved, an individual outside the division involved, and a representative from Student Services.

The hearing panel shall render its final decision regarding the disputed grade and the facilitation shall provide a written statement of its decision to all involved parties. Either party may appeal the panel's decision, based only upon procedural issues arising out of the hearing, to the Vice President of Instruction.

Students requesting a grade change after the stated appeal period shall submit a request in writing to the appropriate Associate Vice President of Instruction. If the Associate Vice President determines that a grade change is warranted, a panel shall be convened following the complete procedures outlined above, beginning with Associate Vice President of Instruction Responsibilities.

Student Records

A permanent record is defined as a student's accumulated academic record including data confirming a student's eligibility for admission and proof that registration requirements have been met. Procedures for the preparation and maintenance of all records are thorough and in keeping with standard practices. The permanent records are kept in the Office of the Registrar.

The transcript of college work is an official copy of the student's permanent record in the computer bearing the college seal and the signature of the Registrar. Copies of a student's transcript are available upon written request from the Office of the Registrar.

Students' Rights Under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the college receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The college official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

    a. A student who wishes to ask the college to amend a record should write the college official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.
    b. If the college decides not to amend the record as requested, the college will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
    c. Student academic records are maintained in the office of the Registrar. Financial records are maintained in the Business Office and the Financial Aid Office. The Vice President of Student Services is responsible for the supervision of student records and the implementation of this policy.

3. The right to provide written consent before the college discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

Authorized Access to Student Records as provided in PL 93-380, the following will be provided access to student's records without consent from the student; and no record thereof will be maintained.

    a. Officials, faculty, staff of Midland College who have a legitimate educational interest in the student's record.
    b. Officials of other schools in which the student seeks or intends to enroll. The student is entitled to a copy of the record forwarded to the other institutions if she/he so desires.
    c. In connection with a student's request for or receipt of financial aid, as necessary to determine eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.

d. State or local officials to which educational data must be reported.
e. Legitimate organizations developing, validating, or administering predictive tests or student-aid programs. Such data is not to be released in any identifiable form and will be destroyed by the organization after the research has been completed.
f. Accrediting agencies.
g. To parents or an eligible student who claim the student as dependent for income tax purposes.
h. To comply with a judicial order or a lawfully issued subpoena.
i. Representation of the Comptroller-General of the United States, Secretary of Health education and Welfare (HEW), administrative heads of educational agencies, or state education authorities.
j. Emergency situations where the information is necessary to protect the health or safety of some person.
k. All other individuals, agencies, or organizations which request or obtain access to a student's record must have prior written consent from the student involved.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy of Compliance Office
U.S. Department of Education
600 Independence Avenue, SW
Washington, D.C. 20202-4605

Maintenance of Student Records

The retention of records has been established by the Texas State Library and Archives Commission. The schedule establishes mandatory minimum retention periods of student records. Midland College adheres to the schedule as provided. A copy of the Retention Schedule for Records of Public Junior Colleges is available online: http://www.tsl.state.tx.us./slrm/recordspubs/jc.html.

Directory Information

This is the information which may be released to the general public without the written consent of the student. A student may request that all or part of the general information be withheld from the public by contacting the Admissions Office. The following is included as general information:

a. name
b. date and place of birth
c. address
d. telephone
e. major field of study
f. number of hours currently enrolled
g. classification
h. participation in officially recognized activities and sports
i. weight and height of athletic team members
j. dates of attendance
k. degrees candidacy, degrees, and awards received
l. most recent educational agency or institution attended
m. photographs that may be used in Midland College publications, videos or internet

Student Security

All thefts, accidents, offenses, criminal activity, and incidents requiring police investigation must be reported immediately to the College Police Department at (432) 685-4734. If there is no answer, the call will be forwarded to the Department cell phone. If for some reason the cell phone is not answered, the caller should call 911 and talk with the City of Midland dispatcher. The dispatcher will contact our officer on duty, or one of their officers will respond. The College Police Department is located in the Scharbauer Student Center, room 136. Midland College police officers can be contacted by telephone or radio during all hours in which classes are in session. On weekends the campus is patrolled by security personnel employed by Midland College and can be reached by calling the regular number of (432) 685-4734. These officers will respond to any call and make referral if necessary to a college police officer or the Midland Police Department.

Crime warning procedures, statistical reports and all other Midland College Police Department information is available online at www.midland.edu.

Premises owned, rented or leased by Midland College, and areas within 1,000 feet of the premises are "gang-free" zones. Certain criminal offenses, including those involving gang-related crimes, will be enhanced to the next highest category of offense if committed in a gang-free zone by an individual 17 years or older. See Texas Penal Code, Section 71.028 for the consequences of engaging in organized criminal activity within "gang-free" zones.

Lost and Found

All articles found on campus should be taken to the Midland College Police Department office located in the Scharbauer Student Center, room 136.

Miscellaneous Information

Designated Areas For Food, Drink and Smoking

No food, drinks, or tobacco products are permitted in the Murray Fasken Learning Resource Center or the Allison Fine Arts Wagner & Brown Auditorium. Instructors in any area are allowed to consume liquids in their classrooms, if necessary. Subject to the approval of the instructor, students may consume drinks in classrooms. The consumption of food in classrooms is discouraged. Tobacco products are forbidden in any classroom. Smoking is prohibited inside any Midland College building. Designated smoking areas are located adjacent to campus buildings.

Computer Usage

Midland College provides data and communications services for students in residence halls, classrooms and labs. On the main campus and at some remote facilities, data access is also provided via a secure wireless network. Midland College provides data network and the connection to the Internet to enhance the College's programs and services. Only authorized devices may be connected to the College's network. Authorization is obtained through the Technical Services office of the Information Technology and Facilities department. Certain activities on the College's network are prohibited. Engaging in prohibited activities may result in the loss of computer privileges. Among these activities are:

a. Unauthorized access of third-party computers using MC computer equipment or facilities.
b. Destruction, theft, alteration, or any other form of sabotage of MC computer equipment or facilities including, without limitation, software and data files.
c. Using hacker programs and trying to access computer systems using hacker techniques.
d. Attempting to hack into external computer systems using MC computer equipment or facilities.
e. Running "file share" software on computer equipment or facilities.
f. Using MC computer equipment or facilities to store or transmit junk mail or other unsolicited commercial e-mail.
g. Using MC computer equipment or facilities in any manner that violates federal, state or local laws or other policies of Midland College, including harassment, intimidation or attempts at such.

Bad Weather Procedures

In case of weather conditions that may cause Midland College to delay or cancel classes, please tune in to local TV stations, call the main number, (432) 685-4500 or check the MC website at www.midland.edu. The message will state one of the following:

- Midland College is OPEN for classes today and tonight.
- Midland College is CLOSED for classes today and tonight.
- Midland College has DELAYED classes until (specified time).

Because driving conditions may vary by geographical area, students have the right to make their own determination regarding whether or not it is safe for them to drive. They will not incur unexcused absences, nor be held responsible for their inability to come to campus.

Bike Lanes, Skateboarding and Animals on Campus

- A bike lane is clearly marked on the Circle Drive. Bicyclists must move in the same direction as traffic in their lane.
- Skateboarding is not permitted inside breezeways or on the steps of any building.
- Midland College enforces the City of Midland leash law. All animals must be on a leash.

Solicitations and Sales on Campus

All solicitations, including sales of publications, on the campus of Midland College, must have some benefit for the College, its students, faculty and staff, in its primary educational mission. If the purpose of a solicitation project is to raise money, it shall be clearly identified in terms of its contribution to the educational, intellectual, or cultural growth and development of the institution and/or its members of the academic community. Persons may not solicit on the campus without the permission of the Vice President of Student Services or designee.

- Solicitation is defined as requesting money, seeking agreement to pay, taking subscriptions, selling merchandise or tickets, and offering any other comparable materials and privileges in person, by handbills or the like, to promote sales.

- Examples of exceptions allowed: sales intended to provide community-wide benefits such as symphonies, and theater productions, service projects, solicitations or contributions for charitable purposes, public or particular.

- Individuals not affiliated with Midland College (i.e., either student, faculty or staff) may not distribute handbills, leaflets, or any type of printed materials on the campus. All announcements and posters shall be subject to the following regulations:

a. No advertising of a commercial nature shall be allowed. Notice of a benefit performance for a worthy group, however, will be accepted.
b. Approved announcements of a personal nature (item for sale or rent, roommate wanted, etc.) may be placed on the bulletin boards in the Scharbauer Student Center and the Allison Fine Arts Building.
c. Posters shall not ordinarily exceed 24" x 28" in size. Exceptions may be approved by the Student Activities Coordinator.
d. Posters may be placed in the Scharbauer Student Center and in other locations as designated by the Student Activities Coordinator.
e. Leaflets, activities announcements or other material displayed should be approved by the Vice President of Student Services.

Upper-Level Degrees

Bachelor's Degree in Organizational Management and the University Center

Section Contents

Bachelor of Applied Technology
in
Organizational Management

Midland College offers a **four-year degree,** a **Bachelor of Applied Technology** in **Organization-al Management**.

The bachelor degree serves professionals with Associates of Applied Science degrees and is designed to **broaden career opportunities** by providing the core courses and **managerial training** to help technical specialists advance into management positions.

The program provides a career ladder for students who have already completed their Associates of Applied Science, or extensive coursework in a career/technical field.

Overall objectives include:

1. **The development of leaders** who can identify opportunities, demonstrate the ability to embrace change, take the initiative to apply new technologies and the courage to empower others in the enterprise to achieve greater positive results.
2. **The preparation of students for success** in positions such as technology project managers, new business entrepreneurs, customer service managers, and to take other roles in small to mid-size companies that require a cross-functional understanding of business operations in a complex and challenging global economy.

Upper division **management** course work focuses our students' perspective of operations, decision-making, and requires an **understanding of different facets of an enterprise operation**. In addition to the common body of knowledge in **management**, students will be introduced to **information technology** in enterprise management, organizational design and management, leadership, fiscal and ethical aspects of management, human resource management, and the emerging technologies required to manage in a competitive business environment.

Who to Contact:

Julia Vickery — 685-4704
Student Development Coordinator

Gavin Frantz — 685-4657
Dean of Business Studies

www.midland.edu/bachelor

Midland College's University Center

Midland College provides opportunities to earn upper-level degrees without leaving Midland. Or, students can have a seamless transfer to a partner university.

*For further information regarding the **University Center**,*
please contact the Office of the Associate Vice President of Instruction - Transfer Studies,
***Dr. Stan Jacobs, at (432) 685-6829**.*

Bachelor Program

Midland College Business Studies Division

Bachelor of Applied Technology in Organizational Management

For more information, contact Julia Vickery at (432) 685-4704

Bachelor & Master Programs

Sul Ross State University

Bachelor of Science in Biology
Bachelor of Science in Natural Resource Management
Bachelor of Science in Earth Science

Contact Ms. Brandi Bell at **(432) 685-6454**

Texas Tech University Health Sciences Center

Master of Physician Assistant Studies
A separate application is required.

Contact Ms. Dawn Jankowski at **(432) 620-9905**

The University of Texas of the Permian Basin

Bachelor of Arts in Child and Family Studies
Bachelor of Arts in English
Bachelor of Arts in History
Bachelor of Arts in Humanities
Bachelor of Arts in Multidisciplinary Studies
Bachelor of Arts in Spanish
EC-Grade 4 Teacher Certification
Grades 8-12 Teacher Certification

Contact Mr. Hector Govea at **(432) 552-2635**

Western Governors University

Over 50 Bachelor's and Master's Degree programs in:
Business
Health Professions
Information Technology
Teachers College

For more information about WGU's degrees
Contact Mr. Bob Rustad at (239) 980-2263

www.wgu.edu/transferstudent

All University Center books are available at the Midland College Bookstore.

Transfer Programs

Midland College partners with area universities to provide special transfer opportunities just for Midland College students. These transfer agreements are designed to provide a seamless transfer to those institutions.

Angelo State University's ***Access ASU*** Program
Texas Tech University's ***Pathways*** Program
University of Texas of the Permian Basin's ***Direct Connect*** Program
UT Dallas **Comet Connection** Program

For information on these partner programs, contact /Mr. Ryan Gibbs at (432) 685-5502.

Course Transfer Guide

Midland College	Angelo State University	Howard Payne University	Lubbock Christian University	Sul Ross State University	Texas A&M University	Texas Tech University	University of Texas of the Permian Basin	University of Texas at Austin
ACCT 2401	ACC 2301	ACC 2311	ACC 2301	ACC 2330	ACCT 229	ACCT 2300	ACCT 2301	ACC 311
ACCT 2402	ACC 2302	ACC 2321	ACC 2302	ACC 2331	ACCT 230	ACCT 2301	ACCT 2302	ACC 312
ARTS 1301	ART 1301	ART 1361		ART 1301		ART 1309	ARTS 1301	ARH 301
ARTS 1303	ART 2301		ART 2309		ARTS 149	ART 1310		ARH 302
ARTS 1304	ART 2302				ARTS 150	ART 2311		ARH 303
BIOL 1406	BIO 1480	BIO 1459			BIOL 111 & 123	BIOL 1403	BIOL 1306/1106	
BIOL 1407	BIO elective	BIO 1469			BIOL 112 & 124	BIOL 1404	BIOL 1307/1107	
BIOL 1408		BIO 1409	BIO 1401					
BIOL 2401	BIO 2423 & 2424	BIO 2489	BIO 2401	BIO 2404		ZOOL 2403		BIO 416K
BIOL 2402	BIO 2423 & 2424	BIO 2499	BIO 2402	BIO 2405		ZOOL 2404		BIO 416L
BIOL 2421				BIO 2406				
BUSI 1301		BUS 1311	BUA 1300		MGMT 105			
BUSI 2301			BUSI 4301		MGMT 212			.
CHEM 1411	CHEM 1411	CHE 1479	CHE 1107/1307	CHEM 1401	CHEM 101/Lab	CHEM 1307/1107	CHEM 1311 & 1111	CH 301 & 204A
CHEM 1412	CHEM 1412	CHE 1489	CHE 1108/1308	CHEM 1402	CHEM 102/Lab	CHEM 1308/1108	CHEM 1312 & 1112	CH 302 & 204B
CHEM 2423	CHEM 2153 & 2353	CHE 2331/2139		CHEM 2401	CHEM 227 & 237			CH 310M & 110K
CHEM 2425		CHE 2341/2149			CHEM 228 & 238			CH 310N & 110L
COMM 1307	JOUR 2305	RTV 1311			JOUR 102	MCOM 1300	COMM 1307	RTF 305
COMM 2311		DRL 2312			JOUR 203	JOUR 2310	COMM 2311	J 315
COMM 2327								
CRIJ 1301	CRIJ 1301	CRJ 1310		CJ 1301			CRIM 2336	
CRIJ 1307		CRJ 1320		CJ 1305				
DRAM 1310	DRAM 1311	THR 1311	THA 1361		THAR 101	THA 2303		TD 301
DRAM 1351	DRAM 1321	THR 2371	THA 2302	THEA 1301	THAR 110	THA 2302	DRAM 2302	TD 313C
ECON 2301	ECO 2301	ECO 2321	ECO 2301	ECO 2305	ECON 203	ECO 2302	ECON 2301	ECO 304L
ECON 2302	ECO 2302	ECO 2311	ECO 2302	ECO 2300	ECON 202	ECO 2301	ECON 2302	ECO 304K
ENGL 1301	ENGL 1301	ENG 1311	ENGL 1301	ENG 1301	ENGL 104	ENGL 1301	ENGL 1301	RHE 306
ENGL 1302	ENGL 1302	ENG 1312	ENGL 1302	ENG 1302	ENGL 203	ENGL 1302	ENGL 1302	RHE 309K
ENGL 2322	ENG LIT		ENG 4315		ENGL 231	ENGL LIT	ENGL 2322	E316K
ENGL 2323	ENG LIT		ENG 4323		ENGL 232	ENGL LIT	ENGL 2323	E316K
ENGL 2326	ENG LIT	ENG 2373				ENGL LIT		E316K
ENGL 2327	ENG 2324		ENG 3313		ENGL 227	ENGL LIT	ENGL 2327	E316K
ENGL 2328	ENG LIT		ENG 3315		ENGL 228	ENGL LIT	ENGL 2328	E316K
ENGL 2331	ENG 2325	ENG 2353	ENG 2301			ENGL LIT		E316K
ENGL 2332	ENG LIT			ENG 2302	ENGL 221	ENGL LIT		E316K
ENGL 2333	ENG LIT			ENG 2303	ENGL 222	ENGL LIT		E316K
FREN 1411	FREN 1301	FRE 1411		FREN 1401	FREN 101	FREN 1501		FR 506
FREN 1412	FREN 1302	FRE 1412		FREN 1402	FREN 102	FREN 1502		FR 507
GEOG 1303		GEG 2310		GEOG 1302	GEOG 202			GRG 305
GEOL 1403	GEOL 1401	GEO 1419		GEOL 1401	GEOL 101	GEOL 1303	GEOL 1301/1101	GEO 401
GEOL 1404	GEOL 1402	GEO 1429		GEOL 1402	GEOL 106	GEOL 1304	GEOL 1302/1102	GEO 405

Note: This is not a complete listing of transferable courses.

It is also recommended that you contact your advisor to verify transferability of Midland College coursework and requirements for your major.

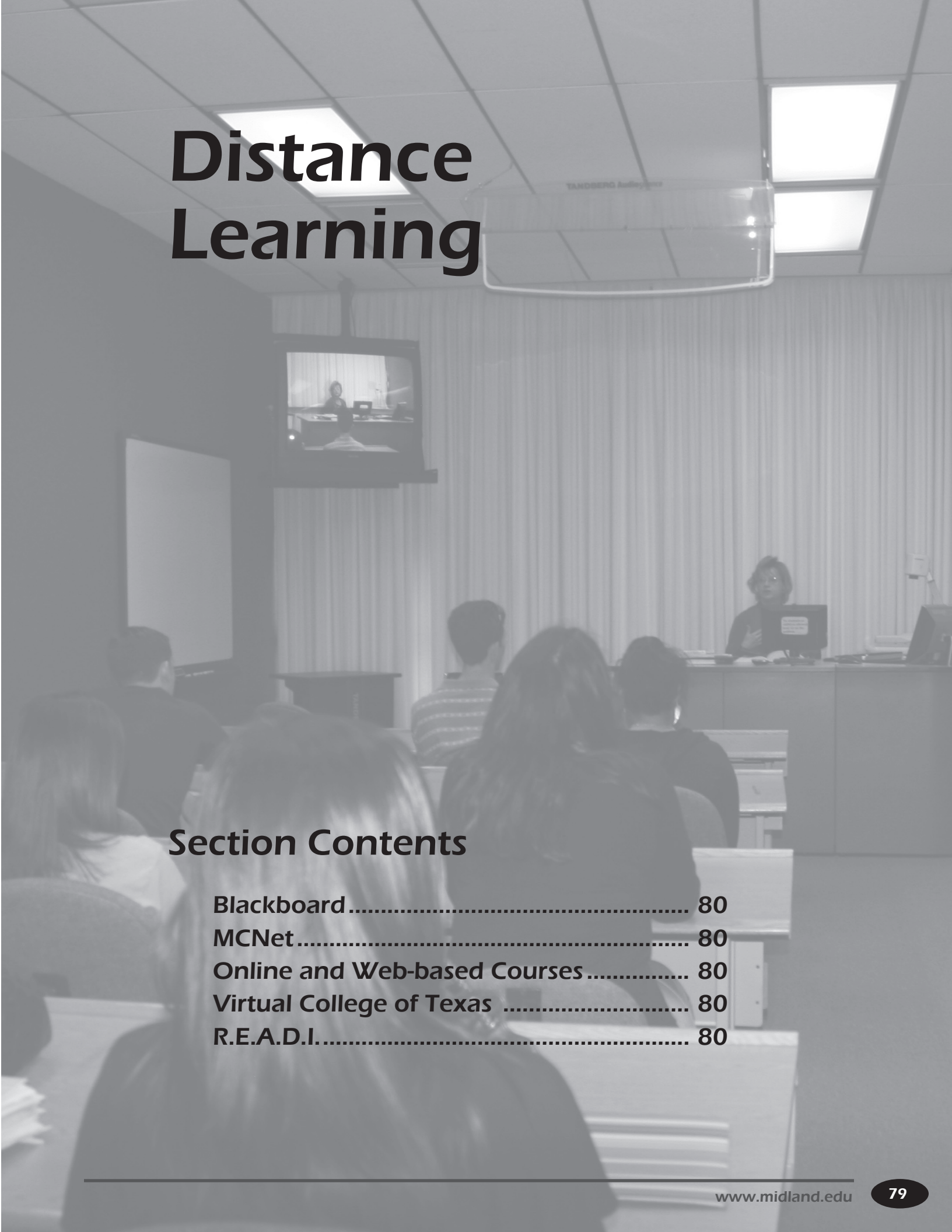
Course Transfer Guide

Midland College	Angelo State University	Howard Payne University	Lubbock Christian University	Sul Ross State University	Texas A&M University	Texas Tech University	University of Texas of the Permian Basin	University of Texas at Austin
GOVT 2301	GOVT 2301	*POS 2311	POS 2301	*PS 2305	*POLS 206	POLS 1301	*PLSC 2305	GOV 310L
GOVT 2302	GOVT 2302	*POS 2321	POS 2302	*PS 2306	*POLS 207	POLS 2302	*PLSC 2306	GOV 312L
HIST 1301	HIST 1301	HIS 1310	HIST 2301	HIST 1301	HIST 105	HIST 2300	HIST 1301	HIS 315K
HIST 1302	HIST 1302	HIS 1320	HIST 2302	HIST 1302	HIST 106	HIST 2301	HIST 1302	HIS 315L
HIST 2301					HIST 226			
HIST 2321				HIST 2301	HIST 103	HIST 2322	HIST 2321	
HIST 2322				HIST 2302	HIST 104	HIST 2323	HIST 2322	
MATH 1314	MATH 1302	MAT 1351	MAT 1311	MATH 1315	MATH 102	MATH 1320	MATH 1314	M 301
MATH 1316	MATH 1303		MAT 1312	MATH 1316	MATH 103	MATH 1321		M 304E
MATH 1324	MATH 1311		MAT 1315		MATH 141	MATH 1330	MATH 1324	M 303D
MATH 1325	MATH 1312		MAT 1316	MATH 1325	MATH 142	MATH 1331	MATH 1325	M 303K
MATH 1342	MATH elective		BUA 2310	MATH 1342	STAT 201	MATH 2300		M 316
MATH 1348	MATH 1321					MATH 1350		M305G
MATH 1350	MATH 1341	MAT 1371				MATH 2370		M 316K
MATH 2412	MATH 1367	MAT 1381	MAT 1313		MATH 150	MATH 1550	MATH 2412	M 405G
MATH 2413	MATH 2331	MAT 2351	MAT 1402	MATH 2413	MATH 151	MATH 1351	MATH 2413	M 408K
MATH 2414	MATH 2332	MAT 2361	MAT 1403	MATH 2414	MATH 152	MATH 1352	MATH 2414	M 408L
MATH 2415		MAT 2371	MAT 2404	MATH 2415	MATH 253	MATH 2350	MATH 2415	M 408M
MUSI 1306	MUS 1341	MUS 1353			MUSC 201	MUHL 1308	MUSI 1306	MUS 302L
MUSI 1310	MUS 1342							MUS 307
PHIL 1301	PHIL 2301	PHI 1310		PHIL 1301	PHIL 251	PHIL 2300		PHL 301
PHIL 2303	PHIL 2321	PHI 1311	ENG 3307	PHIL 1303	PHIL 240	PHIL 2310	PHIL 2303	PHL 312
PHIL 2306	PHIL 2311		ENG 3304	PHIL 1302	PHIL 111	PHIL 2320		PHL 318
PHYS 1401	PHYS 1421	PHY 1419	PHYS 1303/1103	PHYS 1401	PHYS 201	PHYS 1403	PHYS 1401	PHY 302K & 102M
PHYS 1402	PHYS 1422	PHY 1429	PHYS 1304/1104	PHYS 1402	PHYS 202	PHYS 1404	PHYS 1402	PHY 302L & 102N
PHYS 1415	PS 1101							PSY FLAB
PHYS 2425	PHYS 1441	PHY 2439	PHY 2301	PHYS 2401	PHYS 218	PHYS 1408	PHYS 2325	PHY 303K & 103M
PHYS 2426	PHYS 2442	PHY 2449	PHY 2302	PHYS 2402	PHYS 219	PHYS 2401	PHYS 2326	PHY 303L & 103N
PSYC 2301	PSY 2301	PSY 1311	PSY 1300	PSY 1302	PSYC 107	PSY 1300	PSYC 1301	PSY 301
PSYC 2308						PSY 2301		PSY 304
SOCI 1301	SOC 2301	SOC 1311	SOC 1300	SOC 2303	SOCI 205	SOC 1301	SOCI 1301	SOC 302
SOCI 2301		PSY 2311	SOC 2240	SOC 2305		SOC 2331		
SOCI 1306	SOCI 2303	SOC 2322	SOC 2320			SOC 1320		SOC 308
SOCW 2361	SOCI 2305	SOC 1315	SWK 2300			SW 2301	SOWK 2361	SW 310
SPAN 1411	SPAN 1301	SPA 1411	FOL 1401	SPAN 1401	SPAN 101	SPAN 1501	SPAN 1411	SPN 406
SPAN 1412	SPAN 1302	SPA 1412	FOL 1402	SPAN 1402	SPAN 102	SPAN 1502	SPAN 1412	SPN 407
SPAN 2311	SPAN 2311/2312		FOL 2301		SPAN 201	SPAN 2301	SPAN 2311/2312	SPN 312K/312L
SPCH 1311	COMM 1351	COM 1310		COMM 1303	COM 101	COMS 1300		
SPCH 1315	COMM 2301		COM 2311		COM 203	COMS 2300	COMM 1315	CMS 305
SPCH 1318		COM 2320	COM 2313			COMS 1301	COMM 1318	CMS 315M
SPCH 1321			COM 3340				COMM 1321	CMS 306M
SPCH 1342		COM 2344						

Note: This is not a complete listing of transferable courses.
It is also recommended that you contact your advisor to verify transferability of Midland College coursework and requirements for your major.

***MUST TAKE BOTH SEMESTERS AT MC IN ORDER TO TRANSFER.**

Distance Learning



Section Contents

Distance Learning

Distance learning at Midland College is planned learning that normally occurs in a different place from teaching and, as a result, requires special techniques of course design, special instructional techniques, special methods of communication by electronics and other technology, as well as special organizational and administrative arrangements.

Midland College provides a variety of offerings through its Distance Learning Program.

Web-based Online courses are developed by individual instructors and provide complete course content through use of course management software.

Students will need to meet specific hardware and software system requirements in order to use Blackboard. ***See the special Blackboard information panel to the right.***

Enrollment in, and availability of, online classes at Midland College continues to grow. Faculty and curriculum planners continue to look for opportunities to offer more of these popular classes.

MCNet is an interactive television classroom experience in which students from off-site locations (e.g. Big Lake, Rankin, Ft.Stockton, Greenwood, Iraan, and Ozona) become a part of the classroom setting based at either the main campus or one of the off-campus sites.

The **Virtual College of Texas (VCT)** allows students to access courses via the Internet that are not offered at Midland College. Students can view the schedule at **www.vct.org** and all enrollments must be made through Midland College.

R.E.A.D.I. (Readiness for Education At a Distance Indicator) is a tool which helps students determine their level of readiness for taking online courses. Students will be asked questions to topics in the areas of how well they can use a computer; how motivated, organized, and self-directed they are; how they prefer to learn new information; and measure their on-screen reading speed and comprehension. **(www.midland.edu/blackboard/readi.php)**

For additional information, please contact the Department of Distance Learning at (432) 685-5539.

Online classes at MC use:

Bb® Blackboard

Online classes are computer-based instruction in which students can access course information and lessons through the Internet. Students need to have access to a computer with an Internet provider.

FINDING AN ONLINE COURSE

To find an online course in the course schedule, look at the end of each departmental listing. If there is an online header, it will be followed by a list of all online courses offered in that discipline with the instructor's email address. Online courses can be viewed on MC website (www.midland.edu/online).

COURSE INSTRUCTIONS

A student enrolled in an online course must contact the instructor prior to the first day of the session. Students have online access to the course starting the first class day of the course. Dates vary so please check the starting and ending dates in the list of courses. Students will be contacted by the instructor during the first week of class.

BLACKBOARD BASICS

To learn more, simply click on the Blackboard logo or link on the first page of Midland College's website at **www.midland.edu**. Here you will find:

- information about your **user id** and **password usage** and how to **log on** to the system;
- current **messages** from the Blackboard administrator;
- access to **course schedules** and **orientation** sessions;
- **how to configure your computer's Internet browser** to best interface with the Blackboard system;
- information about **student email** at MC;
- links to **FAQs** (Frequently Asked Questions);
- help using programs such as Microsoft **PowerPoint** and Adobe **Acrobat**; and an
- **online help** request form.

Course materials are available at the MC Bookstore (432) 685-4545 or online at:

www.midlandcollegebookstore.com

Please buy them before the course begins.

Special Programs, Resources and Enrichment

Section Contents

Travel Study Programs

Travel courses offer an exciting learning laboratory full of experiences, opportunities, and connections. They are also a great way to earn extra credits. Midland College offers several national and international travel courses across several disciplines. For information on current offerings, contact the International Studies Office.

Murray Fasken Learning Resource Center (LRC)

The LRC is a repository of 63,897 books and bound journals, 95,730 microforms, 2,635 DVDs, videos, and CDs, and 296 magazine, journal, and newspaper subscriptions which support the Midland College curricula. In addition, over 43,000 e-books are available to students through Net Library, along with many full-text databases in most disciplines. The LRC is a participant in TexShare programs for enhanced access to learning resources. Special subject collections include Health Sciences and Law. The collection is primarily for students, staff, and faculty use. Materials are available for checkout through current Midland College ID cards. Library holdings are described by an online catalog, enabling author, title, subject, and keyword searches. Labs in the LRC provide word processing and related software. The LRC's web site (www.midland.edu/lrc) is extensive. Included are library research tutorials, the online catalog of holdings, description of library policies and services, and extensive links to hundreds of recommended websites and databases for virtually all academic subjects.

Information Technology Labs.

The college provides computers for student use in the following locations:

- Lobby of the Murray Fasken Learning Resource Center
- Room 213B-Fasken LRC (General Purpose Lab)
- Room 137-Advanced Technology Center
- Room 107-WRTTC
- Room 235-Fasken LRC (Modern Languages Lab)
- Room 110-Technology Center (Information Technology Lab)
- Room 138-Technology Center (Math Lab)
- Room 149-Technology Center (Information Technology Lab)
- Room 185-Allison Fine Arts Bldg. (Journalism Lab)
- Room 244-Davidson Family Health Sciences Building (Health Science Lab)
- Room 125-SSC Career Center

Facility Reservations

The Administrative Assistant to the Vice President of Administrative Services serves as reservations officer of all public use of facilities on campus. Sponsors of organizations desiring to schedule events on campus should contact the Administrative Assistant to the Vice President of Administrative Services to reserve appropriate facilities for a function. For more information about what facilities are available to the public, visit www.midland.edu/facilities or contact (432) 685-4530.

Adult Basic Education

The Department of Adult Basic Education (ABE) offers a variety of programs to help adults increase their academic and workforce skills. Students are provided with the opportunity to improve their skills in reading, math, science, social studies, language arts, and English. There are no fees for any ABE program. A registration class is required before students enter the instructional classes. Individuals must be at least 17 years of age to enroll. Call the ABE Department at (432) 685-6819 for registration procedures and documentation requirements. Current offerings are:

General Educational Development (GED)

Classes are designed for persons who have not completed high school. Students preparing to take the GED tests are given instruction in writing, social studies, science, reading, and math through instructor-led, computer-assisted, and independent study. The GED certificate may be necessary for job qualification, or it also may qualify the student for college or technical school admission. Call (432) 685-6819 for more GED information.

English as a Second Language (ESL)

Classes provide students with the opportunity to improve their speaking, reading, writing and listening English language skills. These skills are taught in conjunction with life skills to help the student function fully in the community. Multiple levels of instruction are available. Call (432) 685-6819 for more ESL information.

Multi-Use Computer Lab

Multi-level computer instruction assists students with the English language as well as provides instruction in general academics (reading, math, science, social studies, language arts). Instruction is available to better prepare individuals for the workforce.

ESC/Citizenship

The ESC classes focus on U.S. Government with history topics. Resident aliens are prepared for United States citizenship with individualized academic instruction. Class size is limited and students wishing to participate must call the ABE office for class information.

Class Locations

In addition to Midland College, classes are held at various locations including Midland College Cogdell Learning Center, Casa de Amigos, WorkforceSolutions-Permain Basin and Williams Regional Technical Training Center, Ft. Stockton.

Midland College ABE is involved in community partnerships with MISD, Casa de Amigos, MISD Even Start, and Midland Need to Read programs. Additional class sites and community partnerships are established as determined by needs and funding. For further information, email abe@midland.edu or check out ABE at www.midland.edu/abe.

Workforce Education

Business and Economic Development Center (BEDC)

The Midland College Business and Economic Development Center (BEDC) is located at the Midland College Cogdell Learning Center at 201 W. Florida. The BEDC promotes economic development in the community by providing comprehensive management, financial, and technical assistance and training to small businesses, entrepreneurial ventures, and non-profit organizations in the form of seminars and free, confidential counseling. For more information, visit www.midland.edu/bedc or contact the BEDC at (432) 684-4309.

Business Training

Customized training opportunities are available for entities within the private and/or public sector through the Midland College Workforce Continuing Education Department. Diverse training opportunities include, but are not limited to: technical training, software training, supervisory and management training, and vocational training. The adaptable nature of this training program provides local business and industry a great tool to meet their staff development needs. For more information please call Lori Rentas at (432) 681-6350.

Workforce Continuing Education

Workforce Continuing Education offers certification and mandatory licensure updates and seminars for the professional. Classes have also been developed for students to enhance their occupational skills or retrain for other career opportunities.

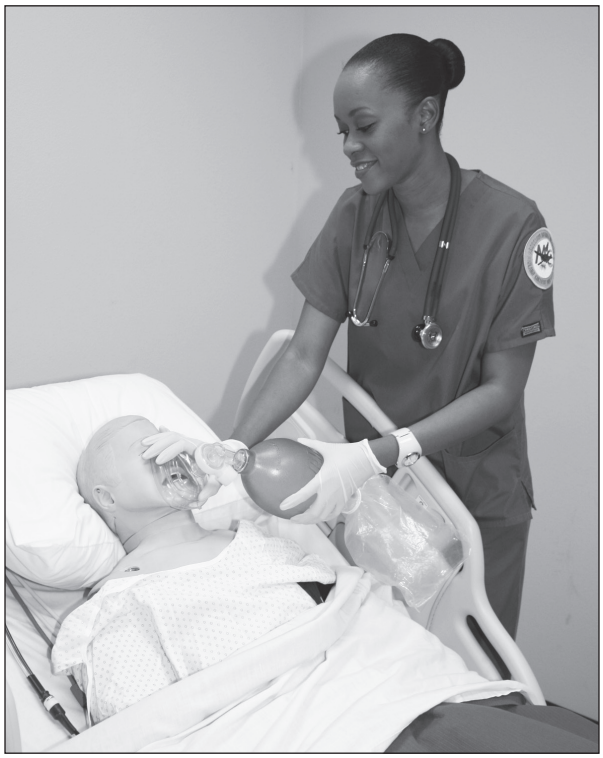
Concurrent courses are those CREDIT courses that may be taken as NON-CREDIT. Most credit courses, subject to approval and space availability, fit into this category.

Midland College works with individuals, and groups to plan continuing education courses, seminars and forums.

Continuing Education Unit (CEU) Courses - Initial job skills, skills upgrading, instructional classes for career certifications and retraining are the main focus of these courses.

Health Sciences Continuing Education

A multi-faceted program offering educational courses with clinical experiences for entry-level health careers, such as Certified Nurses Assistant and Phlebotomy. In addition to course offerings, this program is approved as a provider by the Texas Department of State Health Services in the areas of: Massage Therapy, Marriage and Family Therapists, Emergency Management (EMS), Texas State Board of Social Worker Examiners, Texas State Board of Professional Counselors, also, the National Athletic Trainers Association Board of Certification, and the Texas Department of Aging and Disability for Nurses Aide and Medication Administration for the Nurse Aide to provide educational activities to those licensed or certified in the State of Texas or nationally. For further information, regarding courses or seminars offered in the Health Sciences Continuing Education department, please call (432) 697-5863 ext. 3654, 3638 or 3613.



Transportation Training

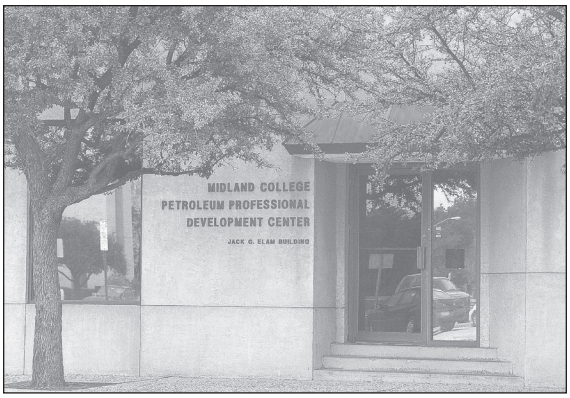
This program provides individuals with the proper training in order to obtain a CDL License to operate a commercial motor vehicle safely within the rules and regulations set out by the Department of Transportation. We offer a four-week program that is 160 hours and consists of instruction in the classroom. Training is provided in pre-trip, post-trip and backing. The last 80 hours involve actual hands-on driving by the student. Upon completion of the class, the student will receive a Class A License with the ability of obtaining endorsements in Hazmat, Doubles and Triples and Tankers.

Customized courses, to fit the needs of individual companies, are provided in various transportation areas, such as contract training ranging from 90 to 120 hours or one-day 10 hour safety classes with specific training in hours of service, hazardous materials and transportation security awareness.

Job placement assistance is available to qualified students who seek a career in the Transportation Industry. The program is located the Advanced Technology Center, (432) 681-3617.

Petroleum Professional Development Center

The Petroleum Professional Development Center (PPDC) located at 105 W. Illinois Avenue, in downtown Midland, is a unique educational facility designed specifically for the local oil and gas industry. The PPDC offers Continuing Education Unit courses designed to help oil and gas industry professionals stay current in their technical fields. Dynamic interaction between the community, the college, and industry enables the PPDC to provide high quality instruction in meeting the training needs of the community it serves. For more information please call (432) 683-2832 or visit www.midland.edu/ppdc.



Workforce Education, Community Programs, Continuing Education Policies and Registration Information

Tuition and Fees

Tuition and fees must be paid in full by 12:00 p.m. (noon) two business days prior to the first class day. *Some departments may require payment earlier, students need to verify, at time of registration, when their payment will be due. Students will only be contacted if a course is cancelled or if any changes are made to the course information originally published in the Continuing Education course schedule. Tuition and fees are based on the number of course hours, instruction costs, and equipment and building use.

***Fees:** Out-of-state fees may apply and will be noted in course information. An out-of-state resident is defined as a United States citizen, 18 years-of-age or older, who has not been a resident of Texas during the 12 months prior to registration.

Payment Options

Please note: if you have a prior balance, a hold, which prevents registration, will be placed on your account. You must contact the cashier's office at (432) 685-4531 and resolve the issue BEFORE being permitted to register for Continuing Education courses.

Cash, checks, money orders, traveler's checks, Visa, MasterCard and Discover are accepted for course payment. Course payments may be made in person, by phone or online at the following locations:

www.midland.edu/workforceforms/payment/index.htmlindex.html

www.midland.edu/workforceforms/payment

Main Campus
3600 N. Garfield
(432) 685-4518

Advanced Technology Center
3200 W. Cuthbert
(432) 681-6326 or 681-6330

Advanced Technology Center

Refund/Cancellation Policy

Courses that lack sufficient enrollment will be cancelled by 12:00 p.m. (noon) two business days prior to the first class day. If a course is cancelled, the Continuing Education department makes every effort to notify all registered students promptly. Students will only be contacted if a course is cancelled or if any changes are made to the course information originally published in the Continuing Education schedule.

Each Continuing Education class has a minimum student enrollment requirement that has to be met in order for the class to make. Paid students that are enrolled in a cancelled course will automatically be issued a refund from our accounting department. No cash refunds will be issued.

Students will receive a 100% refund (less a $10 processing fee) if they drop by 12:00 p.m. (noon) two business days prior to the first class day. They will receive an 80% refund (less $10) if they drop before the second class day. With the exception of extenuating circumstances, students will not receive a refund for a one-day class if they drop on the day of the class. No refunds will be given after the second class day. It is the student's responsibility to cancel their registration. Allow 30 days for refund processing. No cash refunds will be issued.

Social Security Numbers

A social security number is required to identify students' permanent records. The Midland College registration system automatically encrypts a student's social security number into a student *identification* (ID) number. The student ID is used for all internal printed material and provides additional protection of a student's privacy. Students are urged to become familiar with their student ID number and to use it when communicating with College offices. Students are requested to provide their social security number to the College for maintenance of their student records; it also allows the College to meet federal and state-reporting requirements (Personal Enrichment is excluded from state-reporting requirements).

Grading, Certificates, and Transcripts

The final grade in most Continuing Education Department courses is an "S" (satisfactory completion) or a "U" (unsatisfactory completion). Personal enrichment courses may be excluded from the grading process.

After eligible courses are graded, official transcripts will be available. All transcript requests must be submitted in writing, or in person, to the Continuing Education Department.

In most cases, a certificate of completion will be provided for graded continuing education courses. There is a $15 fee for each additional or replacement certificate requested.

CEUS

Continuing Education classes qualify eligible participants to receive Continuing Education Units (CEUs). The CEU is a nationally recognized standard of measurement earned for participation in qualified programs. One unit is awarded for every ten hours of instruction. Upon successful completion of qualified course the participant will receive a Midland College certificate with awarded hours and CEUs.

Textbooks/Supplies

Unless otherwise noted, books and supplies are not included in the tuition costs. Some courses require the purchase of special books or equipment. Supply lists are provided at the time of registration or on the first class day. Midland College bookstore hours are Monday-Thursday from 8:00 a.m.-7:00 p.m. and Friday 8:00 a.m. - 4:30 p.m..

For more information call (432) 685-4545.

Parking Permits

Students enrolled in Continuing Education courses on the Midland College main campus, will receive their parking permit on the first day of class from the instructor, or students can pick up parking permits in the Continuing Education office, Pevehouse Administration Bldg., room 100.

Students taking Continuing Education courses at the Advanced Technology Center or the Petroleum Professional Development Center do not need a parking permit.

Personal & Community Enrichment

Community Programs Continuing Education

The Community Programs Continuing Education department has a long history of providing learning opportunities in the community. Courses occur throughout the year, vary in duration, and occur on-and off-campus. Courses provided fall under three categories:

Personal Enrichment courses include dance, music, drawing, painting, language, health/fitness, and other special interest courses. In addition, a multitude of online course offerings are available. If interested in online courses, visit www.ed2go.com/midlandcollege to review over 250 course offerings.

College Classics offers a series of courses designed especially for local residents who are 50 and older. Volunteer instructors from Midland College and the community present such subjects as Handwriting Analysis, History of China, Movies in Review, Toning with Tap, and a host of others. The fall semester includes two sessions. The spring semester includes three sessions. A registration fee of $25.00 per semester enrolls students for as many courses as a student wishes to take.

Kids' College is a summer enrichment program for students who have completed the first through sixth grades. Students always have fun in arts, performing arts, languages, crafts, computers, science/math, personnel development, and sports classes. Families are able to schedule their child in one, two, or three classes per day. The program runs 24 days each summer divided into three sessions.

For information about any of the above course offerings, call (432) 685-4518.

Davidson Distinguished Lecture Series

***Steven Pinker** was the Davidson Distinguished Lecturer in April 2010.*

This series presents, twice a year, speakers whose academic accomplishments, civic leadership, and/or public achievements will interest, enrich, and enlighten Midland students and citizens. Departments and other groups also schedule guest lecturers and speakers to promote student interest in current topics.

Phyllis & Bob Cowan Performing Arts Series

This series presents, twice each year, cultural and artistic performances of international interest and scope to stimulate and inspire the Midland arts community which prides itself on a rich tradition of excellence in the performing arts.

*The Phyllis & Bob Cowan Performing Arts Series hosted **Marvin Hamlisch** in March 2010.*

Al G. Langford Chaparral Center

This 5,000 seat capacity coliseum provides a setting for athletic events, performances, shows and conferences. It is the primary location of the College's Davidson Distinguished Lecture Series and Phyllis & Bob Cowan Performing Arts Series. In addition to removable flooring appropriate for athletic events, the Al G. Langford Chaparral Center is supported by flexible stage, curtain and lighting structures that may be arranged to suit the nature of the event and the size of the audience. For additional information, contact the Al G. Langford Chaparral Center Director at (432) 685-4582.

Dollye Neal Chapel

The Dollye Neal Chapel was created and endowed through the generosity of Dollye Neal Ballenger as "a place apart" on the main Midland College campus for staff, faculty, students, supporters and officials. The Chapel has no religious affiliation and is open weekdays to all providing a proper setting for private meditation and reflection. It also serves as a venue for small events such as weddings and student and faculty meetings suited to the Chapel's special environment. The Dollye Neal Chapel is complemented by Hall's Way, a pedestrian bridge that connects the College campus to the adjacent Midland Community Theatre. For information regarding the Dollye Neal Chapel, telephone (432) 685-4770.

McCormick Gallery

Given as a gift by Colonel and Mrs. Walter B. Smith, in memory of her parents, W.F. and Mary McIntyre McCormick, and her brother George D. McCormick, the McCormick Gallery was established in 1978. The gallery is located in the main foyer of the Allison Fine Arts Building and annually hosts multiple exhibits of works in a wide range of media. For additional information regarding the McCormick Gallery, telephone (432) 685-4770.

Studio 3600 is a Midland College studio gallery within the McCormick Gallery. It offers a special series of exhibitions held at least twice a year featuring primarily the work of Midland College students who have displayed exceptional growth and originality. These shows allow students to display a body of work rather than individual works usually seen in end-of-the-semester student shows. The Studio 3600 Series is flexible and is also able to offer space to local artists who need more exposure; at other times, it can showcase works by a number of artists working around a central theme. Opening receptions are held at noon and feature a light lunch. These receptions attract large and receptive audiences.

Additional student and faculty art work is on permanent display throughout the F. Marie Hall Academic Building.

Midland College Tennis Center and Pro Shop

Faculty (and their immediate family) and students have access to 18 tennis courts but there is no lighting for night time play. A current MC identification card is required for free play. Scheduling of a tennis court is done by going to the Pro Shop. Please do not call to schedule court time. The public is welcome to use the courts for a $2 court fee. Pro Shop hours of operation are Monday through Friday from 9:00 a.m. to 6:00 p.m.; Saturday 9:00 a.m. to 5:00 p.m.; Sunday 1:00 p.m. to 4:00 p.m. For more information please call (432) 687-4046.

Music Ensembles

The Midland College Orchestra

The Midland College Orchestra is open to all experienced instrumental students. The orchestra performs many concerts during the year both in Midland and throughout the Permian Basin. Scholarships are available by audition to any student regardless of major. Students should contact Rabon Bewley, (432) 685-4643 or rbewley@midland.edu, to schedule a visit and audition.

The Midland College Jazz Ensemble

The Midland College Jazz Ensemble is open to all experienced instrumental students. The jazz ensemble performs numerous concerts during the year both in Midland and throughout the Permian Basin. The jazz ensemble also performs at select home basketball games. Scholarships are available by audition to any student, regardless of major. Students should contact Rabon Bewley, (432) 685-4643 or rbewley@midland.edu, to schedule a visit and audition.

The Midland College Orchestra and Jazz Ensemble are premier instrumental groups performing on the MC campus, in Midland, and in the surrounding communities on performance and recruiting tours. These ensembles will seek performance exchanges with our sister cities in England and China.

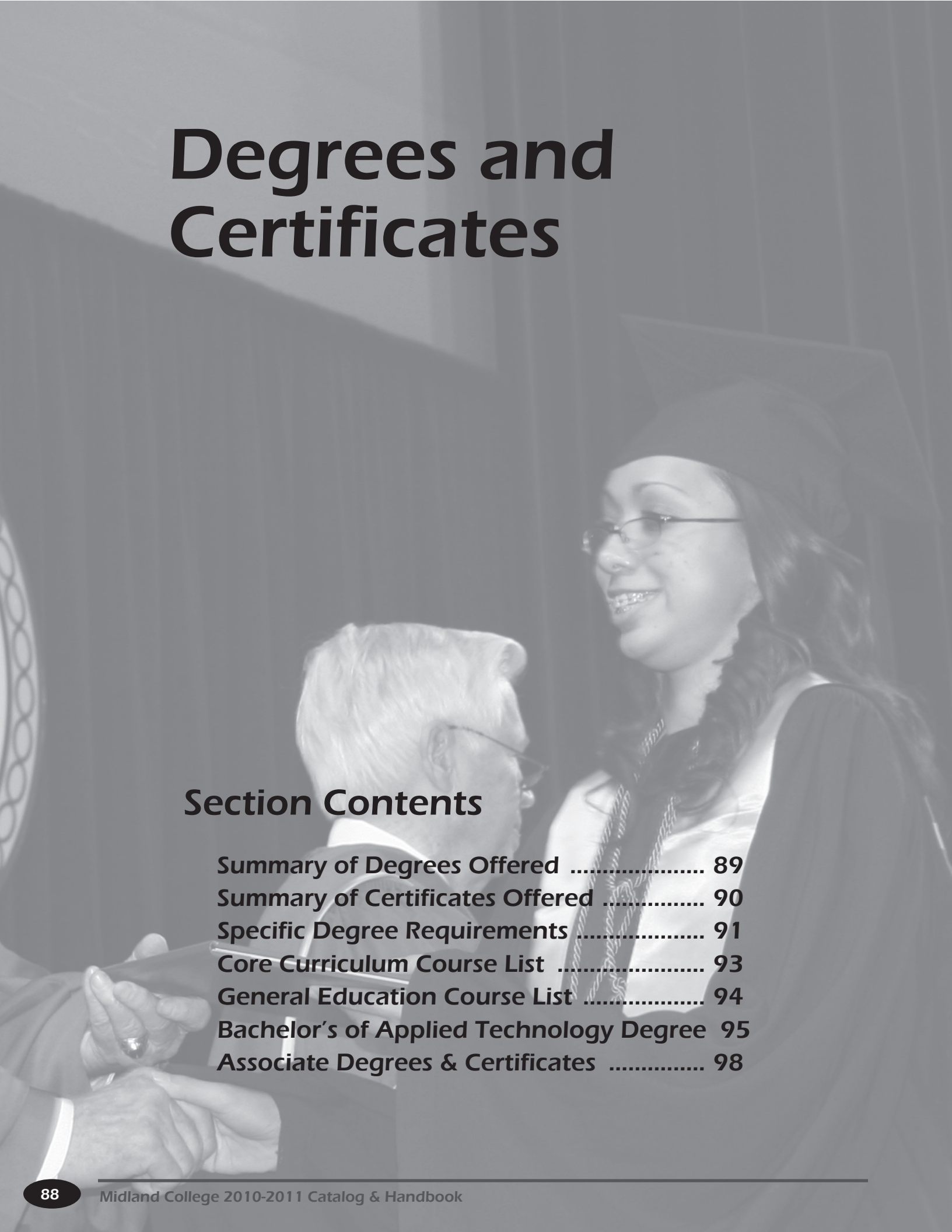
Chap Singers

Chap Singers is the vocal ensemble at Midland College. This ensemble performs a varied style of music from Broadway plays to movie scores and pop music. The choir sings both on and off campus every semester, with audiences including public schools, service clubs, and even individuals hosting community functions. All the singers in this organization are also a part of the Midland College Chorale. Students should contact Bert Bostic, (432) 685-4624 or bbostic@midland.edu, to schedule a visit and audition.

Midland College Chorale

Midland College Chorale is composed of Midland College students and members of the Midland community. The Chorale performs an annual Christmas Concert of varied literature-both sacred and secular/classical and contemporary. They also join forces with other choirs in the community–for instance, the Midland Odessa Symphony and Chorale–in performing Major Chorale works such as Opera and Oratorio Choruses. The 2005-06 Chorale performed the following: "Christmas Oratorio", Camille St. Saens; "A Day for Dancing", Lloyd Pfautsch; "Christmas Cantata", Daniel Pinkham; "Requiem", Marcel Duruflé; and "Coronation Mass in C Major", W.A. Mozart. Students should contact Bert Bostic, (432) 685-4624 or bbostic@midland.edu, to schedule a visit and audition.

Degrees and Certificates



Section Contents

Degrees and Certificates

Summary of Degrees Offered

Midland College offers six degrees: Bachelor of Applied Technology, Associate of Arts, Associate of Science, Associate of Arts in General Studies, Associate of Science in General Studies, and Associate of Applied Science. The Bachelor of Applied Technology degree provides an advance course of study in Technology Management. The Associate of Arts or the Associate of Science is chosen from a regular course of study as listed in the catalog. These degrees are primarily for the first two years of a four-year degree. The Associate of Arts in General Studies or the Associate of Science in General Studies is selected when an individualized plan is needed. These degrees can also be used for the undecided major. The Associate of Applied Science is selected for a major in an occupational/technical field of study.

Degree Majors - The following presents the major fields of study available at Midland College. Information about specific courses in each of these areas is presented in the section of this catalog entitled Degree Plans and Course Descriptions.

BACHELOR OF APPLIED TECHNOLOGY

Organizational Management

ASSOCIATE OF ARTS

- **Anthropology**
- **Arts**
- **Behavioral Science**
- **Communication**
- **Drama**
- **English**
- **Government/Political Science**
- **History**
- **Modern & Classical Languages**
- **Music**
- **Psychology**
- **Social Science**
- **Sociology**
- **Speech**

ASSOCIATE OF SCIENCE

- **Anthropology**
- **Behavioral Science**
- **Biology**
- **Business Administration**
- **Chemistry**
- **Communication**
- **Computer Science**
- **Criminal Justice**
- **Drama**
- **English**
- **Geology**
- **Government/Political Science**
- **History**
- **Kinesiology/Physical Education**
- **Mathematics**
- **Physics**
- **Psychology**
- **Social Science**
- **Sociology**

ASSOCIATE OF APPLIED SCIENCE

- **Air Conditioning, Heating, & Refrigeration Technology**
- **Alcohol & Drug Abuse Counseling**
- **Automotive Technology**
- **Business Administration**
- **Business Systems**
- **Chemistry Technology**
- **Child Care and Development**
- **Computer Graphics Technology**
- **Diesel Technology**
- **Diagnostic Medical Sonography**
- **Emergency Medical Services**
- **Energy Technology**
  - *Petroleum Energy Technician*
  - *Wind Energy Technician*
- **Fire Science Technology**
  - *Firefighter*
- **Health Information Technology**
- **Information Management Systems**
  - *Data Management*
  - *Programming*
- **Information Technology Systems**
  - *Computer Maintenance*
  - *Networking*
- **Law Enforcement**
- **Nursing**
- **Professional Pilot**
- **Paralegal Studies**
- **Radiography**
- **Respiratory Care**
- **Veterinary Technology**
- **Welding Technology**

ASSOCIATE OF ARTS IN TEACHING

- **Secondary or All-Level**
- **Early Childhood - Grade 8**

Degrees and Certificates (continued)

Summary of Certificates Offered

In addition to the many degrees offered by Midland College, there are also many certificates that students have to choose from.

CERTIFICATES	
Air Conditioning, Heating, & Refrigeration Technology	**Energy Technology**
AC Service Technician	*Energy Technician*
AC and Heating Service Technician	*Energy Technician II*
Refrigeration Service Technician	*Petroleum Energy Technician*
AC/Heating and Refrigeration Service Technician	*Wind Energy Technician*
Automotive Technology	**Fire Science Technology**
Basic Automotive	*Emergency Management*
Advanced Automotive	*Firefighter*
Automotive Management	**Health Information Technology**
Aviation Maintenance Technology	*Coding and Billing*
Airframe	**Information Management Systems**
Powerplant	*Data Management*
Business Administration	*Computer Gaming*
Business Systems	*Programming*
Administrative Assistant	**Information Technology Systems**
Administrative Clerk	*Computer Maintenance*
Child Care and Development	*Networking*
Basic Skills	**Law Enforcement**
Enhanced Skills	**Long Term Care Administration**
Computer Graphics Technology (Drafting)	**Nursing-Vocational**
Computer Graphics	**Paralegal Studies**
Cosmetology	*Beginning Legal Technician*
Cosmetology Operator	**Professional Pilot**
Diesel Technology	*Private Pilot*
Diesel	*Professional Airline (PAC)*
Diagnostic Medical Sonography	**Welding Technology**
Emergency Medical Services	*Basic Welding*
Emergency Medical Technician	*Intermediate Welding*
Intermediate	*Advanced Welding*
Paramedic	

Guarantee Policy

Midland College guarantees to those who graduate with an Associate of Arts (AA) or an Associate of Science (AS) degree, or who have met the requirements of a 62 semester credit hour transfer plan, that their credits will transfer to those Texas colleges and universities who cooperate in the development of the course selection guides. If the transfer of any such courses is rejected, the student may take, tuition free, any alternative course at Midland College that is acceptable to the receiving institution. Certain special conditions apply.

Midland College also guarantees that its Associate of Applied Science (AAS) graduates and certificate completers have mastered exit competencies in certain technical job skills. If the employer of any such graduate judges those skills to be lacking, Midland College will provide the graduate with up to nine semester hours of additional training tuition free. Certain conditions apply.

Degree Requirements

All degrees must contain a minimum of 15 hours of general education courses. The Bachelor's degree, Associate of Arts, Science, Teaching, and General Studies degrees require completion of the Core Curriculum. Degree requirements must be completed within four years of start of program. Students who do not finish within the time limit, must complete requirements for a catalog that is still within the four year period.

Bachelor Degree

To receive a Bachelor of Applied Technology (BAT) degree, a student must:

a. Successfully complete all upper and lower level courses required in the degree program (minimum of 120 semester credit hours).
b. Complete an approved Associate of Applied Science (AAS) degree from a Texas college or equivalent.
c. Complete at least 48 credits of upper-level coursework in accordance with an approved degree plan
d. Complete a minimum of 42 general education semester credit hours according to the approved core curriculum established by Midland College for its associate of arts, associate of science and bachelor degrees
e. Have maintained an overall minimum GPA of 2.0 (on a 4.0 scale) for all course work attempted for the bachelor program and have a grade of "C" or better in each junior and senior level course.
f. Complete at least 30 semester credit hours at Midland College. These hours must include a minimum of 24 semester credit hours in 3000 or 4000 level courses.
g. Satisfy the requirements of the Texas Success Initiative.
h. File an intent to graduate with the Registrar.
i. Clear all financial obligations to Midland College.
j. Meet all other College policies for graduation.

Associate of Arts and Associate of Science Degrees

To receive an Associate of Arts (AA) or Science (AS) degree, a student must:

a. Complete one of the regular degree plans as listed in the catalog and approved by the appropriate dean.
b. Satisfy core curriculum requirements.
c. Complete a minimum of 60 semester credit hours 25 percent of which must be from Midland College. A maximum of 75% of the required semester credit hours may be achieved through post secondary level non-traditional credit, including written examination, professional certification, and military service training/education. Non-traditional credit must apply to specific courses.
d. Have overall minimum GPA of 2.0.
e. Satisfy the requirements of the Texas Success Initiative.
f. File an intent to graduate with the Registrar.
g. Clear all financial obligations to Midland College.

Associate of Arts in Teaching

To receive an Associate of Arts in Teaching (AAT), a student must:

a. Successfully complete all courses required in the degree program.
b. Complete the Core Curriculum.
c. Complete a minimum of 60 semester credit hours 25 percent of which must be from Midland College. A maximum of 75% of the required semester credit hours may be achieved through post secondary level non-traditional credit, including written examination, professional certification, and military service training/education. Non-traditional credit must apply to specific courses.
d. Have overall minimum GPA of 2.0.
e. Satisfy the requirements of the Texas Success Initiative.
f. File an intent to graduate with the Registrar.
g. Clear all financial obligations to Midland College.

Associate of Applied Science Degree

To receive an Associate of Applied Science degree (AAS), a student must:

a. Complete one of the regular degree plans as listed in the catalog and approved by the appropriate dean.
b. Satisfy general education requirements.
c. Complete a minimum of 60 semester credit hours, 25 percent of which must be of Midland College course work. A maximum of 75% of the required semester credit hours may be achieved through post secondary level non-traditional credit, including written examination, professional certification, and military service training/education. Non-traditional credit must apply to specific courses.
d. Have overall minimum GPA of 2.0.
e. Satisfy the requirements of the Texas Success Initiative.
f. File an intent to graduate with the Registrar.
g. Clear all financial obligations to Midland College.

Associate of Arts or Sciences in General Studies

Students not wishing to receive an associate degree in a specific major may be granted an Associate of Arts or Sciences in General Studies (AAGS or ASGS - A student may receive only one General Studies degree. A student must:

a. Complete a minimum of 61 semester credit hours 25 percent of which must be from Midland College. A maximum of 75% of the required semester credit hours may be achieved through post secondary level non-traditional credit, including written examination, professional certification, and military service training/education. Non-traditional credit must apply to specific courses.

AREA	AAGS	ASGS
Mathematics and Natural Sciences		6 hours
Social and Behavioral Sciences	3 hours	
Visual and Performing Arts and Humanities	6 hours	3 hours

b. Complete the Core Curriculum.
c. In addition to the Core complete the requirements below with the differences for each degree.
d. Have overall minimum GPA of 2.0.
e. Satisfy requirements of the Texas Success Initiative.

f. File an intent to graduate with the Registrar.
g. Clear all financial obligations to Midland College.

Additional Associate Degrees

To receive an additional associate degree, a student must:

a. complete the course of study for that degree;
b. have an overall minimum GPA of 2.0;
c. satisfy requirements of the Texas Higher Education Assessment unless exempted;
d. file an intent to graduate with the Registrar; and
e. clear all financial obligations to Midland College.

In addition, at least 25 percent of the semester credit hours for the degree must be taken at Midland College and must not apply toward any previous degree.

Core Curriculum Course List

All degrees with the exception of the AAS require students to complete the Core Curriculum. The Core Curriculum was established by the Texas legislature and the Texas Higher Education Coordinating Board to facilitate the transfer of courses between state supported institutions of higher education in Texas and to provide students with the basis of a liberal education. In order to obtain most degrees from a state supported institution in Texas, a student must complete the Core Curriculum. Thus, once a student has completed the Core Curriculum at one institution, it has been completed at all state supported institutions. Courses are chosen from the following areas. Consult degree programs for specific requirements. The required number of semester credit hours is noted in parenthesis beside each area.

010 - Communications (9)

ENGL 1301 and 1302, one course chosen from SPCH 1311, 1315, 1318, or 1321

020 - Mathematics (3)

MATH 1314, MATH 1316, MATH 1324, MATH 1342, MATH 1414, MATH 2412, MATH 2413, MATH 2414, MATH 2415

030 - Natural Sciences (8)

BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 1424, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, GEOL 1401, GEOL 1403, GEOL 1404, GEOL 1405, GEOL 1447, PHYS 1401, PHYS 1402, PHYS 1403, PHYS 1404, PHYS 1415, PHYS 1417, PHYS 2425, PHYS 2426

040 - Humanities (3)

ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, FREN 2311, FREN 2312, GERM 2311, GERM 2312, HUMA 1301, HUMA 1302, LATI 2311, LATI 2312, PHIL 1301, PHIL 2303, PHIL 2306, SPAN 2311, SPAN 2312

050 - Visual and Performing Arts (3)

ARTS 1301, ARTS 1303, ARTS 1304, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, MUSI 1306, MUSI 1308, MUSI 1309, MUSI 1310

060 - 070 - 080 - Social and Behavioral Sciences (15)

U.S. History (6): HIST 1301, HIST 1302, HIST 2301

Government/Political Science (6): GOVT 2301, GOVT 2302

Other Social/Behavioral Sciences (3): ANTH 2302, ANTH 2351, COMM 2300, ECON 2301, ECON 2302, GEOG 1303, HIST 2311, HIST 2312, PSYC 2301, SOCI 1301, SOCI 1306

090 - Fitness and Wellness (1)

KINE 1100, KINE 1101, KINE 1102, KINE 1103, KINE 1104, KINE 1105, KINE 1106, KINE 1107, KINE 1108, KINE 1109. KINE 1110. KINE 1113. KINE 1117. KINE 1118. KINE 1119. KINE 1120. KINE 1125. KINE 1126.

Total : 42 semester credit hours

General Education Course List

Students pursuing an AAS degree must complete 15 semester credit hours of general education requirements. Courses must be chosen from the following areas. Minimum semester credit hour requirements for each area are listed in parenthesis. Consult degree programs for specific requirements.

Humanities/Fine Arts (3)

ARTS 1301, ARTS 1303, ARTS 1304, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, MUSI 1306, MUSI 1308, MUSI 1309, MUSI 1310, ENGL 1301, ENGL 1302, ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, FREN 2311, FREN 2312, GERM 2311, GERM 2312, HUMA 1301, HUMA 1302, LATI 2311, LATI 2312, PHIL 1301, PHIL 2303, PHIL 2306, SPAN 2311, SPAN 2312, SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321

Social/Behavioral Sciences (3)

ANTH 2302, ANTH 2351, ***COMM 2300,*** ECON 2301, ECON 2302, GEOG 1303, GOVT 2301, GOVT 2302, HIST 1301, HIST 1302, HIST 2301, HIST 2311, HIST 2312, HIST 2321, HIST 2322, PSYC 2301, SOCI 1301, SOCI 1306

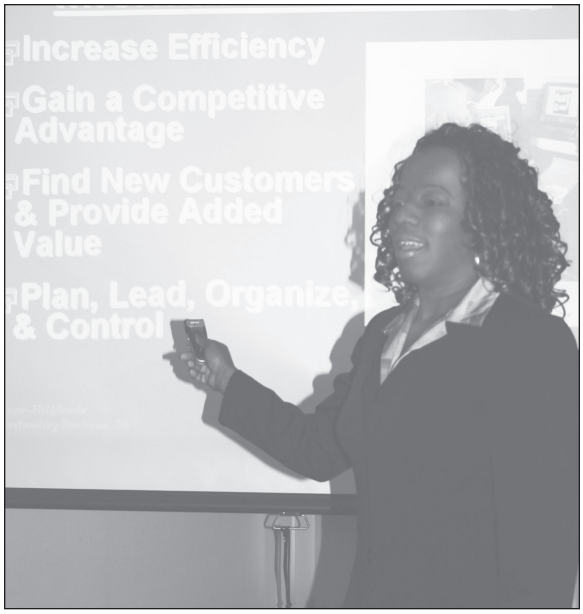
Natural Science/Mathematics (3)

BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 1424, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, GEOL 1401, GEOL 1403, GEOL 1404, GEOL 1405, GEOL 1447, MATH 1314, MATH 1316, MATH 1324, MATH 1342, MATH 1414, MATH 2412, MATH 2413, MATH 2414, MATH 2415, PHYS 1401, PHYS 1402, PHYS 1403, PHYS 1404, PHYS 1415, PHYS 1417, PHYS 2425, PHYS 2426

An additional six semester credit hours from courses listed above (6)

Total : 15 semester credit hours

Bachelor of Applied Technology Degree



Organizational Management

Gavin Frantz	142 TC	685-4657
Dean		
Lisa Hain	142 TC	685-6447
Division Secretary		
Faculty		
Jeff Crain	153 TC	685-4611
Doug Avery	152 TC	685-5520
Dale Westfall	158 TC	685-4658
Katherine Allen	127 AFA	685-6409
Omar Belazi	154 TC	685-4659
Vickie Pickett	107 TC	686-4204
Andree Rosen	115 TC	685-4572
Advisor		
Julia Vickery	238 SSC	685-4704

The Bachelor of Applied Technology in Organizational Management (BAT-OM) program is designed to broaden career opportunities for students and better their chances for promotion to supervisory positions. The program provides a career ladder for students who have completed their Associates of Applied Science coursework requirements in areas related to Business, Health Care, Information Systems, Public Service, Professional Pilot, and most technical trades. For a complete listing of approved A.A.S. degrees please refer to our website: www.midland.edu/bachelor. Degrees not listed may be considered on an individual basis.

Program objectives include developing leaders who can identify opportunities, demonstrate the ability to embrace change, take the initiative to apply new technologies and the courage to empower others in an organization to achieve greater positive results. The Organizational Management program also prepares students for positions as project managers, entrepreneurs, customer service managers, and other roles that require an understanding of management operations in complex and challenging global economies.

The BAT-OM degree represents successful completion of a minimum of 120 semester credit hours (sch) , consisting of 30 sch of technical specialty credit awarded for completion of an approved AAS degree or equivalent, 42 sch of Core Curriculum as shown on page 92, and 48 sch of upper division courses including 36 sch of required courses covering common aspects of applied management, and 12 sch of specialty electives from the areas of public administration, banking, electronic commerce, entrepreneurship, international business, and the oil and gas industry.

Requirements for admission to the Organizational Management Program:

1. general admission to Midland College;
2. compliance with Texas Success Initiative requirements (TSI);
3. an approved (AAS) degree from a Texas college or equivalent.

Please visit our internet website at www.midland.edu/bachelor for complete information about admissions, or call Julia Vickery at Student Development Coordinator (432) 685-4704.

Students who have been admitted to the program and are within 15 sch of completing their AAS degrees may enroll in upper-division courses upon satisfactory completion of:

a. English 1301 and English 1302,
b. Speech 1321 (may substitute any speech course from the general education requirements), and
c. MATH 0391 or an equivalent score on a math placement examination.

Students may not enroll in more than 6 sch of upper-division courses before completing an AAS degree or equivalent. Successful completion of upper-division courses requires a grade of "C" or better.

Course Progression

The following is the suggested sequence of courses for the degree which must be completed within six years. TMGT 4320, TMGT 4385 and TMGT 4396 must be taken as senior classes.

	Semester I	
TMGT 3303	Managerial Communications	3
TMGT 3305	Organizational Theory and Practice	3
TMGT 3336	Legal Issues for Managers	3
TMGT 3391	Information Technology in Enterprise Management	3
		12

	Semester II	
TMGT 3337	Economics for Managers	3
TMGT 3347	Ethics and Corporate Social Responsibility	3
	Organizational Management Elective	3
	Organizational Management Elective	3
		12

	Semester III	
TMGT 3302	Business and Economic Statistics	3
TMGT 3311	Human Resources Management	3
TMGT 3338	Accounting for Managers	3
	Organizational Management Elective	3
		12

	Semester IV	
TMGT 3310	Decision Making	3
+TMGT 4320	Organizational Design and Management Seminar	3
+TMGT 4396	Project Management	3
	Organizational Management Elective	3
		12

TOTAL **48**

Organizational Management Electives

TMGT 3352	Entrepreneurship
TMGT 3353	International Business
TMGT 3354	Leadership
TMGT 3355	Mediation and Negotiation
TMGT 3356	Oil and Gas Industry
TMGT 3357	Introduction to Public Administration
TMGT 3358	Network Security Management
TMGT 3359	Bank Operations
TMGT 3360	Credit Administration
TMGT 3361	Principles of Banking
TMGT 3362	Government Regulation of Banking
TMGT 4303	Electronic Commerce
+TMGT 4385	Organizational Management Internship

Associate Degrees and Certificates

Air Conditioning, Heating & Refrigeration Technology

Curt Pervier *Dean*	143 TC	685-4677
Fonda Bowen *Division Secretary*	143 TC	685-4676
Faculty		
Jaroy Roberts	187 TC	685-4687

The Air Conditioning, Heating, and Refrigeration program prepares students for careers as industry technicians. Curriculum is designed to develop skills, attitudes, and competencies necessary for installing and servicing air conditioning, refrigeration, and heating equipment. Specific areas of training include residential and commercial air conditioning, gas and electric heating, commercial refrigeration, and air conditioning and heating systems design. Midland College offers an Associate of Applied Science Degree consisting of 62 semester credit hours and four certificates consisting of 16-32 semester credit hours in this program. The Degree option takes approximately two years to complete, and the certificate options take approximately one year to complete. Students interested in this program should contact the Technical Studies Division office to obtain additional information and/or acquire a degree or certificate plan. In order to receive the Associate of Applied Science Degree in Air Conditioning, Heating and Refrigeration, and/or the Air Conditioning, Heating and Refrigeration Certificate, students will be required to take the Industry Competency Exam (ICE).

The following is the suggested sequence of courses for the following degree and certificates. A + indicates courses with a prerequisite or co-requisite. Courses that do not have a prerequisite do not have to be taken in order. For example, DFTG 1309 does not have to be taken before HART 1401 since DFTG 1309 is not a prerequisite for HART 1401. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degrees or certificates.

Associate of Applied Science

	Semester I			**Semester III**	
HART 1401	Basic Electricity for HVAC	4	+HART 2434	Advanced Air Conditioning Controls	4
HART 1407	Refrigeration Principles	4	+HART 2442	Commercial Refrigeration	4
MCHN 1320	Precision Tools and Measurement	3		General Education Course[1]	3
OSHT 1301	Introduction to Safety and Health Technology	3		Natural Sciences/Mathematics[2]	3
				Speech[3]	3
		14			**17**
	Semester II			**Semester IV**	
+HART 1441	Residential Air Conditioning	4	+HART 2445	Air Conditioning Systems Design	4
+HART 2449	Heat Pumps	4	+HART 1445	Gas and Electric Heating	4
DFTG 1305	Technical Drafting	3		Social/Behavioral Sciences[4]	3
ENGL 1301	Composition and Rhetoric	3	Elective	HART Elective	3
		14	Elective	HART Elective	3
					17
				TOTAL	**62**

[1]Select from the General Education Course List

[2]Select from the Natural Sciences/Mathematics section from the General Education Course List

[3]Select a Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List.

[4]Select from the Social/Behavioral Sciences section of the General Education Course List.

Air Conditioning Service Technician Certificate

	Semester I	
HART 1401	Basic Electricity for HVAC	4
HART 1407	Refrigeration Principles	4
		8

	Semester II	
+HART 1441	Residential Air Conditioning	4
+HART 2449	Heat Pumps	4
		8
	TOTAL	**16**

Air Conditioning and Heating Service Technician Certificate

	Semester I	
HART 1401	Basic Electricity for HVAC	4
HART 1407	Refrigeration Principles	4
		8

	Semester II	
+HART 1441	Residential Air Conditioning	4
+HART 1445	Gas and Electric Heating	4
+HART 2449	Heat Pumps	4
		12
	TOTAL	**20**

Refrigeration Service Technician Certificate

	Semester I	
HART 1401	Basic Electricity for HVAC	4
HART 1407	Refrigeration Principles	4
		8

	Semester III	
+HART 1441	Residential Air Conditioning	4
+HART 2434	Advanced Air Conditioning Controls	4
+HART 2442	Commercial Refrigeration	3
		11
	TOTAL	**19**

Air Conditioning, Heating, and Refrigeration Service Technician Certificate

Semester I		
HART 1401	Basic Electricity for HVAC	4
HART 1407	Refrigeration Principles	4
+HART 1441	Residential Air Conditioning	4
+HART 1445	Gas and Electric Heating	4
		16

Semester II		
+HART 2434	Advanced Air Conditioning Controls	4
+HART 2442	Commercial Refrigeration	4
+HART 2445	Air Conditioning Systems Design	4
+HART 2449	Heat Pumps	4
		16
	TOTAL	**32**

Alcohol & Drug Abuse Counseling

Margaret Wade *Dean*	125 AHSF	685-4615
Brenda Smith *Division Secretary*	124 AHSF	685-6413
Norma Duran *Division Secretary*	124 AHSF	685-4612
Chesly Herd *Program Director*	128 AHSF	685-4729

Midland College offers an Alcohol and Drug Abuse Counseling (ADAC) Program of study covering the 12 core functions of Alcohol and Drug Abuse Counseling. The certification program offers courses necessary to qualify as Counselor Intern with the Texas Department of State Health Services. The Associate of Applied Science Degree program offers a course of study in ADAC along with basic courses that would be applicable to a career in alcohol and drug abuse counseling. Refer to Department of Health website for licensure requirements www.dshs.state.tx.us. The function of the alcohol and drug abuse counselor includes assisting the client in recognizing substance abuse, in providing insight and motivation, providing positive reinforcement, professional guidance, and assistance and support in order to develop and/or maintain a responsible and functional lifestyle.The degree and certificate in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the Program Director or Division office to obtain additional information and/or acquire a degree or certificate plan. Exceptions to prerequisites require approval of Program Director. *To enroll in DAAC 2166, 2167, 2271, 2272, no more than six semester credit hours of DAAC classes may be taken from a college other than Midland College without permission of the Alcohol and Drug Abuse Counseling Program Director.

The following is the suggested sequence of courses for this degree. A + indicates those courses that have a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, DAAC 1309 does not have to be taken before DAAC 1311 since 1309 is not a prerequisite for 1311. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Applied Science

Semester I		
DAAC 1319	Introduction to Alcohol and Drug Abuse Counseling	3
DAAC 1311	Counseling Theories	3
DAAC 1309	Assessing Skill of Alcohol and Other Drugs	3
ENGL 1301	Composition and Rhetoric	3
PSYC 2301	Introduction to Psychology	3
		15
Semester II		
DAAC 2330	Multicultural Counseling	3
+DAAC 2307	Addicted Family Intervention	3
+DAAC 2441	Counseling Alcohol and Other Drug Addictions	4
+ENGL 1302	Composition and Literature	3
+PSYC 2314	Life-span Growth and Development	3
		16
Semester III		
+PSYT 2331	Abnormal Psychology	3
+DAAC 2454	Dynamics of Group Counseling	4
+DAAC 2166	Practicum I	1
+DAAC 2271	Core Functions	2
SPCH 1318	Interpersonal Communication	3
SOCI 1306	Social Problems	3
		16
Semester IV		
PSYT 2345	Principles of Behavioral Modification and its Management	3
+DAAC 2167	Practicum I	
1		
+DAAC 2272	Case Presentation Method	2
PSYT 1372 **or**	General Elective	3
	General Elective	3
	Natural Science/Mathematics[1]	3
		15
	TOTAL	**62**

[1]Select from the Natural Science/Mathematics section of the General Education Course list.

Enhanced Skills Certificate

Semester I

+DAAC 1380	Cooperative Education I	3
		3

Semester II

+DAAC 1381	Cooperative Education II	3
		3

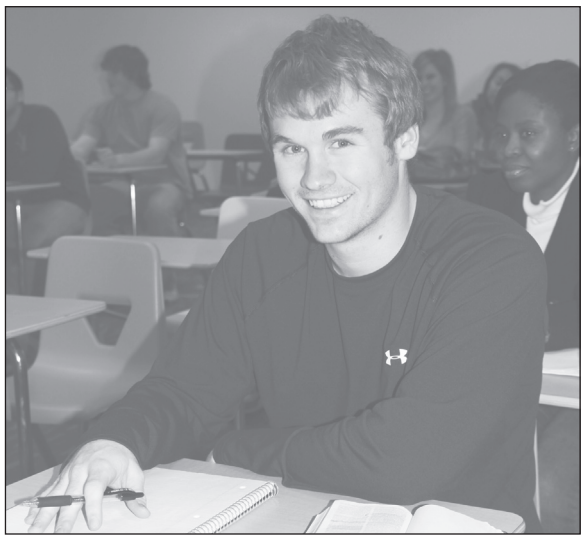
Semester III

+DAAC 2380	Cooperative Education III	3
		3

Semester IV

+DAAC2381	Cooperative Education	3
		3

TOTAL **12**



Anthropology

William Morris *Dean*	154 MHAB	685-6810
Monica Sosa *Division Secretary*	153 MHAB	685-6809
Faculty		
Paula Marshall-Gray	155 MHAB	685-6811

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts

	Semester I	
ENGL 1301	Composition and Rhetoric	3
ANTH 2351	Cultural Anthropology	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
ANTH 2302	Intro to Archaeology	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Mathematics[4]	3-4
		16-17
	Semester III	
GOVT 2301	Federal and State Government I	3
ANTH 2401	Physical Anthropology	4
	Humanities[5]	3
	Modern Languages **or** General Elective[6]	3-4
	Speech Core Option	3
		16-17
	Semester IV	
GOVT 2302	Federal and State Government II	3
GEOG 1303	World Regional Geography	3
	Visual/Performing Arts[7]	3
	Modern Language **or** General Elective[6]	3-4
	Speech[8]	3
		15-16
	TOTAL	**61-64**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

[2]Select from the Natural Science section of the Core Curriculum Course List.

[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.

[4]Select from the Mathematics section of the Core Curriculum Course List.

[5]Select from the Humanities section of the Core Curriculum Course List. Literature is recommended.

[6]Select a Modern Language for the AA degree or an elective for the AS degree.

[7]Select from the Visual and Performing Arts section of the Core Curriculum Course List. Art History is recommended.

[8]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List

Arts

William G. Feeler	137 AFA	685-4626
Dean		
Lula Lee	141 AFA	685-4624
Division Secretary		
Faculty		
Carol Bailey	189 AFA	685-4652
Kent Moss	195 AFA	685-4654
Warren Taylor	187 AFA	685-4651

The purpose of the Arts Department is to meet the individual needs of those students pursuing professional art degrees and careers and of those students in the community who wish to explore their interests and talents for their own enjoyment and fulfillment. Students who intend to earn an advanced degree are encouraged to plan their program carefully to meet the requirements of the senior college or university to which they intend to transfer. The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above. Please note that courses that require prerequisites are denoted by an asterisk (+).

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts

	Semester I			**Semester III**	
	Studio Arts[1]	3		Studio Arts[1]	3
ARTS 1303	Art History I	3		Studio Arts[1]	3
ENGL 1301	Composition and Rhetoric	3		Humanities[4]	3
	U.S. History[2]	3	**GOVT 2301**	Federal and State Government I	3
	Speech[3]	3		Natural Sciences[5]	4
		15			**16**
	Semester II			**Semester IV**	
	Studio Arts[1]	3		Studio Arts[1]	3
ARTS 1304	Art History II	3		Other Social/Behavioral Sciences[6]	3
+ENGL 1302	Composition and Literature	3	**GOVT 2302**	Federal and State Government II	3
	U.S. History[2]	3		Natural Sciences[5]	4
MATH 1314	College Algebra	3		Fitness and Wellness[7]	1
		15			**14**
				TOTAL	**60**

[1]Select five studio courses in ARTS, including at least one course in Design, Drawing, Painting, and Sculpture or Ceramics.

[2]Select from the U.S. History portion of the Social/Behavioral Sciences section of the Core Curriculum Course List.

[3]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

[4]Select from the Humanities section of the Core curriculum Course List.

[5]Select from the Natural Sciences section of the Core Curriculum Course List.

[6]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

[7]Select from the Fitness and Wellness section of the Core Curriculum Course List.

Automotive Technology

Curt Pervier	143 TC	685-4677
Dean		
Division Secretary	143 TC	685-4676
Ted Sumners	ATC	697-5863 ext. 3644
Director		
Faculty		
Steve Hargrove	ATC	697-5863 ext. 3649
Daniel Garner	ATC	697-5863 ext. 3653

The Automotive Technology program prepares students for careers as Automotive Service Excellence (ASE) certified automotive technicians. Midland College is a National Automotive Technicians Education Foundation (NATEF) certified program, and the curriculum is designed to prepare students for successful completion of the ASE examinations. Specific areas of training include electrical systems, electronic controls, brake systems, suspension and steering, heating and air conditioning, engine performance, engine repair, manual drive trains and axles, automatic transmissions/transaxles, and automotive shop management. An Associate of Applied Science Degree in Automotive Technology consists of 64-66 semester credit hours and takes approximately two years to complete. Four certificate options are also available consisting of 19-24 semester credit hours and taking approximately one year to complete. Students interested in this program should contact the Technical Studies Division office to obtain additional information and/or acquire a degree or certificate plan.

The following is the suggested sequence of courses for the following degree and certificates. A + indicates courses with a prerequisite or co-requisite. Courses that do not have a prerequisite do not have to be taken in order. Part-time students may require more than four semesters to complete their degrees or certificates. Nevertheless, the general sequence should still be followed.

Associate of Applied Science

Semester I

AUMT 1305	Introduction and Theory of Automotive Technology	3
+AUMT 1307	Automotive Electrical Systems	3
+AUMT 1310	Automotive Brake Systems	3
MCHN 1320	Precision Tools and Measurement	3
OSHT 1301	Introduction to Safety and Health	3
		15

Semester II

+AUMT 1316	Suspension and Steering	3
+AUMT 1345	Automotive Heating and Air Conditioning	3
+AUMT 2317	Engine Performance Analysis I	3
ENGL 1301	Composition and Rhetoric	3
	Speech[1]	3
		15

Semester III

+AUMT 1319	Automotive Engine Repair	3
+AUMT 2313	Manual Drive Train and Axle	3
+AUMT 2325	Automatic Transmission and Transaxle	3
+AUMT 2321	Automotive Electrical Lighting and Accessories	3
	Natural Science/Mathematics[2]	3-4
		15-16

Semester IV

+AUMT 2334	Engine Performance Analysis II	3
+AUMT 2437	Automotive Electronics	4
+AUMT 1306	Automotive Engine Removal and Installation	3
+AUMT 1380	Cooperative Education Auto/Automotive Mechanic Technician	3
	Social/Behavioral Sciences[3]	3
	General Education Elective[4]	3-4
		19-20
	TOTAL	**64-66**

[1]Select a Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List.

[2]Select from the Natural Science/Mathematics section of the General Education Course List.

[3]Select from the Social/Behavioral Sciences section of the General Education Course List.

[4]Select from the General Education Course List.

Basic Automotive Certificate

Semester I			Semester II		
AUMT 1305	Introduction and Theory of Automotive Technology	3	+AUMT 1316	Suspension and Steering	3
+AUMT 1307	Automotive Electrical Systems	3	+AUMT 1345	Automotive Heating and Air Conditioning	3
+AUMT 1310	Automotive Brake Systems	3	+AUMT 2317	Engine Performance Analysis I	3
MCHN 1320	Precision Tools and Measurement	3			**9**
		12			
				TOTAL	**21**

Advanced Automotive Certificate

Semester I			Semester II		
+AUMT 1306	Automotive Engine Removal and Installation	3	+AUMT 2325	Automatic Transmission and Transaxle	3
+AUMT 2313	Manual Drive Train and Axle	3	+AUMT 2334	Engine Performance Analysis II	3
+AUMT 2321	Automotive Electrical Lighting and Accessories	3	+AUMT 2437	Automotive Electronics	4
		9			**10**
				TOTAL	**19**

Automotive Management Certificate

Semester I			Semester II		
AUMT 2428	Automotive Service	4	VHPA 1341	Auto Parts Counter Sales	3
AUMT 2301	Automotive Management	3	BMGT 1305	Communications in Management	3
SPCH 1318	Interpersonal Communication	3	ITSC 1409	Integrated Software Applications I	4
		10			**10**
				TOTAL	**20**

Collision and Repair

Semester I			Semester II		
AUMT 1305	Introduction Theory of Automotive Technology	3	+AUMT 1316	Suspension and Steering	3
ABDR 1431	Basic Refinishing	4	+AUMT 1307	Automotive Electrical Systems	3
+ABDR 1458	Intermediate Refinishing	4	+ABDR 2449	Advanced Refinishing	4
MCHN 1320	Basic Brake Systems	3			**10**
		14		**TOTAL**	**24**

Aviation Maintenance Technology

Curt Pervier	143 TC	685-4677
Dean		
Tommy Branon	Airport "E"	563-8952
Assistant Director		
Karen Harris	140 TC	685-4799
Program Coordinator		
Faculty		
Ed Munoz	Airport "E"	563-8952
Jim Radtke	Airport "E"	563-8952

The Aviation Maintenance Technology program prepares students for careers as aviation airframe technicians, or aviation powerplant technicians. Specific areas of training include aircraft structure inspection and testing; federal aviation regulations; aircraft and electronic flight instrument systems; aircraft auxiliary systems; aircraft welding; aircraft electrical systems; hydraulic, pneumatic, and fuel systems; and occupational safety and health codes. Two certificate options are available consisting of 40 semester credit hours and taking approximately one to two years to complete. Upon successful completion of the Airframe Certificate and/or the Powerplant Certificate, students are qualified to take the applicable Federal Aviation Administration (FAA) licensure examination. For both certificate options, students must have a high school diploma or equivalent, and students must furnish their own hand tools. To obtain additional information and/or to acquire a certificate plan, students should contact the Technical Studies Division office.

The following is the suggested sequence of courses for the following certificates. However, courses that do not have a prerequisite do not have to be taken in order. For example, AERM 1315 does not have to be taken before AERM 1203 since 1315 is not a prerequisite for 1203. Nevertheless, the general sequence should still be followed. Part-time students may require more than five semesters to complete their certificates. Both the Airframe and Powerplant Certificates require completion of the General Classes listed in Semester I.

Airframe Certificate

Semester I General Classes

AERM 1203	Shop Practices	2
AERM 1205	Weight and Balance	2
AERM 1208	Federal Aviation Regulations	2
AERM 1210	Ground Operations	2
AERM 1314	Basic Electricity	3
AERM 1315	Aviation Science	3
		14

Semester II Airframe Certificate

+AERM 1352	Aircraft Sheet Metal	3
+AERM 1349	Hydraulic, Pneumatic & Fuel Systems	3
+AERM 1253	Aircraft Welding	2
+AERM 1241	Wood, Fabric & Finishes	2
+AERM 1243	Instruments & Navigation/Communication	2
		12

Semester III

+AERM 1247	Airframe Auxiliary Systems	2
+AERM 1254	Aircraft Composites	2
+AERM 1345	Airframe Electrical Systems	3
+AERM 1350	Landing Gear Systems	3
AERM 2231	Airframe Inspection	2
+AERM 2233	Assembly and Rigging	2
		14

TOTAL **40**

Powerplant Certificate

Semester II Powerplant Certificate

+AERM 1357	Fuel Metering and Induction Systems	3
+AERM 2447	Aircraft Reciprocating Engine Overhaul	4
+AERM 1444	Aircraft Reciprocating Engine Theory	4
+AERM 2352	Aircraft Powerplant Inspection	3
		14

Semester III

AERM 1251	Aircraft Turbine Engine Theory	2
+AERM 1340	Aircraft Propellers	3
+AERM 1456	Aircraft Powerplant Electrical	4
+AERM 2351	Aircraft Turbine Engine Overhaul	3
		12

TOTAL **40**

Behavioral Science

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
David Edens	158 MHAB	685-6814
Paula Marshall-Gray	155 MHAB	685-6811
Mike Schneider	171 MHAB	685-6825
Donna Thompson	173 MHAB	685-6827
Andrea Zabel	172 MHAB	685-6826

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	Anthropology, Psychology, **or** Sociology Elective	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14

	Semester II	
ENGL 1302	Composition and Literature	3
	Other Social/Behavioral Sciences[4]	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Speech[5]	3
		16

	Semester III	
	Anthropology, Psychology, **or** Sociology Elective	3
GOVT 2301	Federal and State Government I	3
	Humanities[6]	3
	Modern Languages **or** General Elective[7]	3-4
	Mathematics[8]	3
		15-16

	Semester IV	
	Anthropology, Psychology, **or** Sociology Elective	3
GOVT 2302	Federal and State Government II	3
	Visual and Performing Arts[9]	3
	Modern Languages **or** General Elective[7]	3-4
	General Elective	3
		15-16

TOTAL **60-62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[4]Select an Anthropology (ANTH), Psychology (PSYC), or Sociology (SOCI) course from the Other Social/Behavioral Sciences section of the Core Curriculum Course List.
[5]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[6]Select from the Humanities section of the Core Curriculum Course List.
[7]Select a Modern Language for the AA degree or a General Elective for the AS degree.
[8]Select from the Mathematics section of the Core Curriculum Course List.
[9]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Biology

Margaret Wade	125 AHSF	685-4615
Dean		
Norma Duran	124 AHSF	685-4612
Division Secretary		
Brenda Smith	124 AHSF	685-6413
Division Secretary		
Faculty		
Dan Elias	255 FSB	685-6761
Tomas Hernandez	152 FSB	685-6751
Claudia Hinds	104 AHSF	685-4618
Paul Mangum	102 FSB	685-6731
Ethel Matthews	104 FSB	685-6733
Marlana Mertens	253 FSB	685-6759
Miranda Poage	155 FSB	685-6754
Lab Instructor		
Cindy Cochran	103 FSB	685-6732
Sandy Robinson	106 FSB	685-6735

Courses in the Department of Biology are designed to meet the needs of undergraduate students who are preparing to enter the fields of professional biology and biological research, to teach biology, or those who wish to prepare for admission to dental and medical schools, and for training in medical technology and nursing. Courses in the department offer other students an appreciation and understanding of the concepts of biology. The student who expects to enter a profession in dentistry, medicine, optometry, pharmacy, veterinary medicine, or some related profession which requires graduation from a specialized college should check carefully the entrance requirements for the college to which he expects to transfer after two years at Midland College.

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Science

Semester I		
BIOL 1406	Biology for Science Majors I	4
ENGL 1301	Composition and Rhetoric	3
CHEM 1411	General Inorganic Chemistry I	4
	Mathematics[1]	3
		14
Semester II		
+BIOL 1407	Biology for Science Majors II	4
+ENGL 1302	Composition and Literature	3
+CHEM 1412	General Inorganic Chemistry II	4
	U.S. History[2]	3
		14
Semester III		
+BIOL 2421	Microbiology for Science Majors	4
GOVT 2301	Federal and State Government I	3
	U.S. History[2]	3
	Speech[3]	3
	Humanities[4]	3
		16
Semester IV		
	Science Elective	4
	Visual & Performing Arts[5]	3
	Other Social/Behavioral Sciences[6]	3
GOVT 2302	Federal and State Government II	3
	Fitness & Wellness[7]	1
	General Elective	3
		17
	TOTAL	**61**

[1]Select from the Mathematics section of the Core Curriculum Course List.

[2]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum.

[3]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

[4]Select from the Humanities section of the Core Curriculum Course list.

[5]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

[6]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

[7]Select from the Fitness and Wellness section of the Core Curriculum Course List.

Business Administration

Gavin Frantz	142 TC	685-4657
Dean		
Lisa Hain	142 TC	685-6447
Division Secretary		
Faculty		
Doug Avery	197 TC	685-4689
Omar Belazi	154 TC	685-4659
Jeff Crain	153 TC	685-4611
Dale Westfall	158 TC	685-4658

The Business Administration program provides: (1) Courses at the freshman and sophomore levels which will transfer to senior colleges; (2) Training for developing a marketable skill for immediate employment; and (3) Curriculum and training for upgrading current skills and positions. Curriculum has been developed to meet the needs of local industry by providing students with initial training and skill improvement. Specific areas of training include business principles, accounting and financial theory, economics, business and professional speaking, computer software applications, business law, and office administration principles.

Several degree and certificate options are available in the Business Administration program. Degree programs consist of 61-62 semester credit hours and take approximately two years to complete. Certificate programs consist of 37 semester credit hours and take approximately one year to one-and-a-half years to complete. Students interested in this program should contact the Business Studies Division to obtain additional information and formulate a personalized sequence of study.

The following is the suggested sequence of courses for these degrees and certificates. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the approved core curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. For example, ECON 2301 does not have to be taken before ECON 2302 since 2301 is not a prerequisite for 2302. Part-time students may require more than four semesters to complete their degree.

Associate of Science

Students should meet with the Dean, or Business Administration faculty advisor, to devise an individualized degree plan for optimum transferability to the receiving university program of your choice.

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	Approved Elective	3
MATH 1324	Mathematics for Business & Social Sciences I	3
HIST 1301	U.S. History to 1877	3
	Natural Science[1]	4
		16
	Semester II	
+ENGL 1302	Composition and Literature	3
	Visual and Performing Arts[2]	3
+MATH 1325	Mathematics for Business & Social Sciences II	3
HIST 1302	U.S. History since 1877	3
	Natural Science[1]	4
		16
	Semester III	
ACCT 2401	Principles of Accounting I	4
	Approved Elective	3
ECON 2301	Principles of Macroeconomics	3
GOVT 2301	Federal and State Government I	3
	Humanities[3]	3
		16
	Semester IV	
+ACCT 2402	Principles of Accounting II	4
ECON 2302	Principles of Microeconomics	3
GOVT 2302	Federal and State Government II	3
SPCH 1321	Business and Professional Speaking	3
KINE	Fitness and Wellness	1
		14
	TOTAL	**62**

[1]Select from the Natural Sciences section of the Core Curriculum Course List.

[2]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

[3]Select from the Humanities section of the Core Curriculum Course List.

Associate of Applied Science

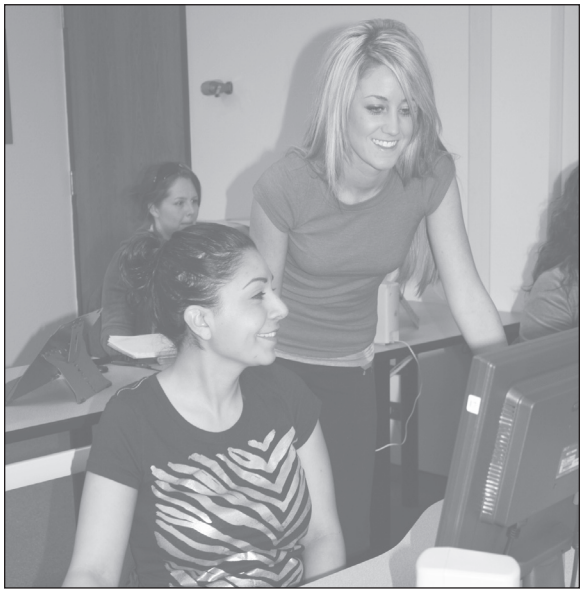
Students seeking a two-year credential focused on Business skills and related educational background, or preparing for the BAT in Organizational Management should follow this degree plan.

	Semester I	
BCIS 1405	Business Computer Applications **or**	4
ITSC 1409	Integrated Software Applications I	
BMGT 1327	Principles of Management	3
BUSI 1301	Business Principles	3
ENGL 1301	Composition and Rhetoric	3
MATH 1314	College Algebra **or**	
MATH 1324	Mathematics for Business	
	and Social Sciences I	3
		16
	Semester II	
ACCT 2401	Principles of Accounting I	4
BUSI 2301	Business Law	3
SPCH 1321	Business and Professional Speaking	3
BUSG 1303	Principles of Finance	3
MRKG 1311	Principles of Marketing	3
		16
	Semester III	
+ACCT 2402	Principles of Accounting II	4
ECON 2301	Principles of Macroeconomics	3
+ITSW 1404	Introduction to Spreadsheets	4
	Approved Elective	3
		14
	Semester IV	
	Approved Elective	3
BUSG 2380	Cooperative Education - Business, General	3
ECON 2302	Principles of Microeconomics	3
+POFT 2312	Business Correspondence and Communications	3
	Business Administration Elective	3
		15
	TOTAL	**61**

Certificate in Business Administration

Students seeking a certificate reflecting competence in applied business skills should follow this degree plan.

	Semester I	
BCIS 1405	Business Computer Applications **or**	4
ITSC 1409	Integrated Software Applications I	
BMGT 1301	Supervision **or**	
BMGT 1303	Principles of Management	3
BUSI 1301	Business Principles	3
POFT 1301	Business English **or**	
POFT 1325	Business Mathematics	
	and Machine Applications	3
		13
	Semester II	
+ACNT 1403	Introduction to Accounting I	4
BUSG 1303	Principles of Finance **or**	
BUSG 1304	Introduction to Financial Advising	3
BUSI 2301	Business Law	3
+ITSW 1404	Introduction to Spreadsheets	4
		14
	Semester III	
ACCT 2401	Principles of Accounting I	4
BUSG 2380	Cooperative Education - Business, General	3
+POFT 2312	Business Correspondence	
	and Communications	3
		10
	TOTAL	**37**



Business Systems

Gavin Frantz *Dean*	142 TC	685-4657
Lisa Hain *Division Secretary*	142 TC	685-6447
Faculty		
Sylvia Brown	124 TC	685-4717
Amy Herring	103 TC	685-5516

For program information please call (432) 685-4656.

The Business Systems program is designed to prepare students for careers as office professionals, administrative assistants, office managers, and executive assistants. Graduates of the Program will possess competencies in the latest office management techniques and computer software applications. The curriculum is designed to provide training in current technology, and acquire skills and knowledge for adapting to a variety of changing business conditions. Specific areas of training include office procedures, business communications, accounting/bookkeeping, and software applications in word processing, presentation media, spreadsheet preparation, and database manipulation. Midland College offers a Business Systems AAS Degree option, a Certificate option, and an Advanced Certificate option. The AAS Degree option consists of a minimum of 61 semester credit hours and takes approximately two years to complete. The Business Systems Administrative Clerk Certificate consists of 17 semester credit hours can be completed in one semester and is intended for those students who wish to develop a marketable skill for immediate employment and/or upgrade their present skills. The Business Systems Administrative Assistant Certificate option consists of 28-35 semester credit hours and takes approximately three semesters (12 months) to complete. Options include specialization in bookkeeping, desktop publishing, medical office technology, or legal office technology. Students interested in any of the Business Systems options should contact the Business Studies Division office to formulate a sequence of courses to meet their individual needs.

The following is the suggested sequence of courses for this degree. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the general education curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than four semesters to complete their degree.

Associate of Applied Science

Students seeking a two-year credential focused on business office skills and related educational background, or preparing for the BAT in Organizational Management should follow this degree plan.

	Semester I	
POFI 1204	Computer Fundamentals	2
POFT 1227	Introduction to Keyboarding	2
POFT 1309	Administrative Office Procedures I	3
POFT 1301	Business English	3
POFT 1325	Business Mathematics	
	and Machine Applications	3
		13
	Semester II	
+ITSW 1401	Introduction to Word Processing	4
+ITSW 1404	Introduction to Spreadsheets	4
+ITSW 1407	Introduction to Database **or**	4
+ITSW 1410	Presentation Media Software	
	Natural Science/Mathematics[1]	3-4
		15-16
	Semester III	
+ACNT 1403	Introduction to Accounting I	4
+POFT 2312	Business Correspondence **and**	3
	Communications **or**	
BMGT 1305	Communications in Management	
+POFI 2440	Advanced Word Processing **or**	4
+POFI 2401	Word Processing	
	Social/Behavioral Sciences[2]	3
	General Education Elective[3]	3-4
		17-18
	Semester IV	
POFT 2431	Administrative Systems (Spring only)	4
SPCH 1321	Business **and** Professional Speaking	3
	General Education Elective[3]	3-4
	Business Systems Elective	3-4
	Business Systems Elective	3-4
		16-19
	TOTAL	**61**

[1]Select from the Natural Science/Mathematics section of the General Education Course List.
[2]Select from the Social/Behavioral Sciences section of the General Education Course List.
[3]Select from the General Education Course List.

Administrative Assistant Certificate

The Business Systems Certificate Program offers a one year (12 months) or three semester program leading to a certificate. Students will complete a minimum of 28 hours in courses designed to prepare individuals for office careers in administrative, computer assistant, medical, or legal areas. Satisfactory completion of the program qualifies the individual to obtain employment in an office environment. The curriculum provides individuals with necessary knowledge in office practices and principles and with current microcomputer and other automated equipment in performing office tasks.

	Semester I	
+ITSW 1401	Introduction to Word Processing	4
POFI 1204	Computer Fundamentals	2
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
		12
	Semester II	
POFT 1325	Business Mathematics and Machine Applications	3
	Business Systems Elective	3-4
	Business Systems Elective	3-4
	Business Systems Elective	3-4
		12-15

	Semester III - Choose one area of Emphasis:	
	Bookkeeping Emphasis	
+ACNT 1403	Introduction to Accounting I	4
ACCT 2401	Principles of Accounting I **or**	4
+ACNT 1411	Introduction to Computerized Accounting	
	Desktop Emphasis	
+POFI 2431	Desktop Publishing for the Office (Spring only)	4
IMED 1316	Web Design 1	3
	Medical Emphasis	
POFM 1302	Medical Software Applications	3
HPRS 1106	Essentials of Medical Terminology	1
	Legal Emphasis	
LGLA 1317	Law Office Technology (Spring only)	3
LGLA 1345	Civil Litigation (Fall only)	3
		4-8
	TOTAL	**28-35**

Approved Business Systems Electives - see course descriptions for details
ACCT 2401, ACNT 1403, ACNT 1411, BCIS 1405, BMGT 1305, HPRS 1106, ITSC 1409, ITSE 2313, ITSW 1407, ITSW 1410, ITSW 2434, LGLA 1345, LGLA 1317, POFI 2401, POFI 2431, POFI 2440, POFM 1302, POFT 2333, POFT 2380, POFT 2401.

Administrative Clerk Certificate

The Business Systems Administrative Clerk Certificate offers the basic office skills for many entry level office positions in a single semester consisting of 17 semester credit hours.

Course Progression

The following is the suggested sequence of courses for this certificate. Please note that courses that require prerequisites are denoted by a plus sign (+). Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than one semester to complete their certificate.

	Semester I	
+ITSW 1401	Introduction to Word Processing	4
POFI 1204	Computer Fundamentals	2
POFT 1227	Introduction to Keyboarding	2
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
POFT 1325	Business Mathematics and Machine Applications	3
	TOTAL	**17**

Chemistry

Margaret Wade *Dean*	125 AHSF	685-4615
Norma Duran *Division Secretary*	124 AHSF	685-4612
Brenda Smith *Division Secretary*	124 AHSF	685-6413
Faculty		
John Anderson	202 FSB	685-6737
Julianne Braun	204FSB	685-6738
Julio Valladares	205 FSB	685-6739
Thomas Ready	201 FSB	685-6748

Courses in this program are designed to fulfill the requirements for a major in chemistry. Any student who intends to transfer to another college or university is advised to consult the college catalog and the transfer requirements of that school. Different schools and different departments may have special conditions that might affect the choice of courses. The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree pan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a pre-requisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Science

	Semester I	
CHEM 1411	General Inorganic Chemistry I	4
+MATH 1316	Trigonometry **or**	3-4
+MATH 2412	Pre-Calculus	
PHYS 1401	College Physics I **or**	4
+PHYS 2425	University Physics I	
ENGL 1301	Composition and Rhetoric	3
		14-15

	Semester II	
+CHEM 1412	General Inorganic Chemistry II	4
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
+PHYS 1402	College Physics II **or**	
+PHYS 2426	University Physics II	4
		14

	Semester III	
+CHEM 2423	Organic Chemistry I	4
	Humanities[2]	3
	U.S. History	3
	Speech[3]	3
GOVT 2301	Federal and State Government I	3
		16

	Semester IV	
+CHEM 2425	Organic Chemistry II	4
	Visual & Performing Arts[4]	3
GOVT 2302	Federal and State Government II	3
	Social & Behavioral Sciences[5]	3
	Fitness & Wellness	1
	Math or Science Elective	3-4
		17-18

TOTAL **62-64**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

[2]Select form the Humanities section of the Core Curriculum Course List.

[3]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

[4]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

[5]Select from the Social/Behavioral Sciences section of the Core Curriculum Course List.

[6]Select form the Fitness and Wellness section of the Core Curriculum Course List.

Chemistry Technology

Margaret Wade	125 AHSF	685-4615
Dean		
Norma Duran	124 AHSF	685-4612
Division Secretary		
Brenda Smith	124 AHSF	685-6413
Division Secretary		
Faculty		
John Anderson	202 FSB	685-6737
Julianne Braun	204FSB	685-6738
Julio Valladares	205 FSB	685-6739
Thomas Ready	201 FSB	685-6748

Chemical Technology is a two year Associate of Applied Science degree designed to provide students with rigorous chemistry knowledge and training and to provide industry with qualified entry-level laboratory/science technicians. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a pre-requisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a pre-requisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Applied Science

Semester I		
CHEM 1411	General Inorganic Chemistry I	4
CHEM 1104	Chemical Calculations	1
+MATH	Math[1]	3
CHEM 1104	Chemical Calculations	1
	Science Elective	4
ENGL 1301	Composition and Rhetoric	3
		16
Semester II		
+CHEM 1412	General Inorganic Chemistry II	4
+ENGL 1302	Composition and Literature	3
MATH 1342	Statistics	3
+PHYS 1401	College Physics I	4
	Social & Behavioral Science[2]	3
		17
Summer		
CHEM 2389	Academic Cooperative	3
		3
Semester III		
+CHEM 2423	Organic Chemistry	4
+CTEC1441	Applied Instrumental Analysis I	4
CHEM 2401	Analytical Chemistry I	4
ENGL 2311	Technical Writing	3
		15
Semester IV		
+CHEM 2425	Organic Chemistry II	4
CTEC 2431	Applied Instrumental Analysis II	4
CTEC 2371	Sample Preparation	3
	Science Elective	4
		15
	TOTAL	**66**

[1]Select from the Math courses in the Natural Science/Math section of the Core Curriculum Course List.

[2]Select from the Social/Behavioral Sciences section of the Core Curriculum Course List.

Child Care and Development

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Rita Stotts *Director*	HLGC	685-4574

The Child Care and Development Program offers students an in-depth study of children. The curriculum is designed to develop basic skills, attitudes, and competencies necessary for working effectively with children in group settings. Students learn by observing and participating in the on-going activities of the Midland College Helen L. Greathouse Children's Center and Manor Park Child Care Center. The Centers provide the necessary lab experiences which are required for all child development courses. The Early Childhood Education field of study curriculum consists of TECA 1303, Families, School and Community; TECA 1311, Educating Young Children; TECA 1318, Wellness of the Young Child; and TECA 1354, Child Growth and Development. This set of courses can be taken by a student at Midland College and must be accepted in transfer to satisfy the lower division requirements for Early Childhood Education majors at any Texas public institution of higher learning. The TECA courses partially fulfill the requirements for a baccalaureate degree in Early Childhood Education from Texas public universities.

The degree and certificate in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the Division office to obtain additional information and/or acquire a degree or certificate plan.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, TECA 1303 does not have to be taken before TECA 1311 since 1303 is not a prerequisite for 1311. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science

	Semester I	
PSYC 2301	Introduction to Psychology	3
ENGL 1301	Composition and Rhetoric	3
CDEC 1319	Child Guidance	3
CDEC 1223	Observation and Assessment	2
TECA 1311	Educating Young Children	3
TECA 1318	Wellness of the Young Child	3
		17

	Semester II	
	Speech[1]	3
+PSYC 2308	Child Psychology	3
CDEC 1313	Curriculum Resources for Early Childhood Programs	3
CDEC 2315	Diverse Cultural/Multilingual Education	3
TECA 1303	Families, School and Community	3
TECA 1354	Child Growth and Development	3
		18

	Semester III	
GOVT 2301	Federal and State Government I **or**	3
GOVT 2302	Federal and State Government II	
	Humanities/Fine Arts[2]	3
CDEC 1321	The Infant and Toddler	3
CDEC 1356	Emergent Literacy for Early Childhood	3
CDEC 1358	Creative Arts for Early Childhood	3
		15

	Semester IV	
	Natural Science/Mathematics[3]	3-4
CDEC 1359	Children with Special Needs	3
CDEC 2307	Math and Science for Early Childhood	3
CDEC 2341	The School Age Child	3
CDEC 2366	Practicum in Child Development and Early Childhood	3
		15-16

TOTAL	**65-66**

[1] Select a Speech course from the Humanities/Fine Arts section of the General Education Course List.
[2] Select from the Humanities/Fine Arts section of the General Education Course List.
[3] Select from the Natural Sciences/Mathematics section of the General Education Course List

Basic Skills Certificate

	Semester I			Semester II	
PSYC 2301	Introduction to Psychology	3	+PSYC 2308	Child Psychology	3
CDEC 1319	Child Guidance	3	CDEC 1313	Curriculum Resources for Early Childhood Programs	3
CDEC 1223	Observation and Assessment	2			
TECA 1311	Educating Young Children	3	CDEC 2315	Diverse Cultural/Multilingual Education	3
TECA 1318	Wellness of the Young Child	3			
		14	TECA 1303	Families, School and Community	3
			TECA 1354	Child Growth and Development	3
					15
				TOTAL	**29**

Enhanced Skills Certificate

	Semester I			Semester III	
CDEC 2326	Administration of Programs for Children I	**3**	+CDEC 2336	Administration of Programs for Children III	**3**
	Semester II				
+CDEC 2328	Administration of Programs for Children II	**3**		**TOTAL**	**9**

Communication

William G. Feeler	137 AFA	685-4626
Dean		
Lula Lee		
Division Secretary	141 AFA	685-4624
Faculty		
Kent Moss	195 AFA	685-4654
Bob Templeton	183 AFA	685-4655
Lab Instructor		
Karen Lanier	185 AFA	685-4768

Communication courses give a practical foundation in basic communication skills necessary for admittance to a senior college major program in journalism or mass communications. A variety of courses is offered including mass communications, reporting, editing, feature and editorial writing, photography, public relations, and advertising. The program also includes the active production of school publications. As electives for non-communication majors, these courses serve as outlets for creative talent and school service and enable students to become more discerning consumers of the mass media. The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	U.S. History[1]	3
GOVT 2301	Federal and State Government I	3
COMM 1307	Introduction to Mass Communications	3
COMM 1129	Publications	1
	Visual and Performing Arts[2]	3
		16

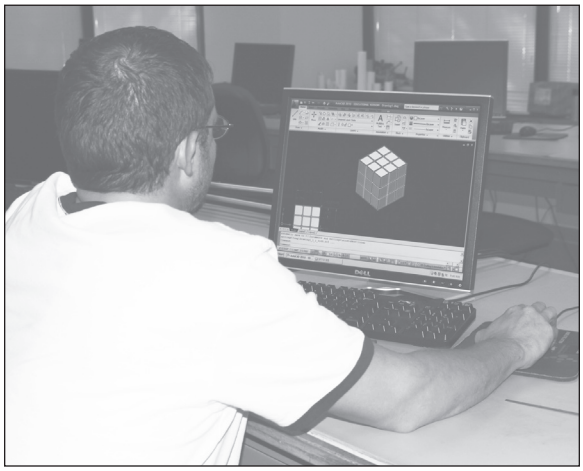
	Semester II	
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
GOVT 2302	Federal and State Government II	3
COMM 2300	Media Literacy and Society	3
COMM 2311	News Gathering and Writing	3
COMM 1130	Publications	1
		16

	Semester III	
	Modern & Classical Languages **or** Elective[3]	3
COMM 2315	News Gathering and Writing II	3
	Natural Sciences[4]	4
	English Literature[5]	3
	Speech[6]	3
		16

	Semester IV	
	Modern & Classical Languages **or** English Literature[7]	3
	Natural Sciences[4]	4
MATH 1314	College Algebra	3
	Communications Elective[8]	3
	Fitness and Wellness[9]	1
		14

TOTAL **62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[3]Select a Modern or Classical Language for the AA degree or an Elective for the AS degree.
[4]Select from the Natural Sciences section of the Core Curriculum Course List.
[5]Select an English Literature course from the Humanities section of the Core Curriculum Course List.
[6]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[7]Select a Modern or Classical Language for the AA degree or an English Literature course from the Humanities section of the Core Curriculum Course List for the AS degree.
[8]Select from COMM 1318, 2301, 2305, 2316, 2327, 2330, 2332, or 2339.
[9]Select from the Fitness and Wellness section of the Core Curriculum Course List.



Computer Graphics Technology (Drafting)

Curt Pervier *Dean*	143 TC	685-4677
Fonda Bowen *Division Secretary*	143 TC	685-4676
Faculty		
Derek Gasch	ATC	681-6314

The Computer Graphics Technology program prepares students for careers in the fields of process piping, structural and architectural design, mapping, and desktop publishing. The curriculum is designed to develop skills in design, estimating, inspection, and illustration of complex assemblies of electrical, mechanical, and scientific equipment. The program includes state-of-the-art training in digital publishing, 3-D animation, technical drafting, computer-aided drafting, architectural drafting, topographical drafting, pipe drafting, and civil drafting. An Associate of Applied Science (AAS) Degree and one certificate option is available. The AAS Degree consists of 60-62 semester credit hours and takes approximately two years to complete. The certification option consists of 21 semester credit hours and takes approximately one year to complete. Students interested in this program should contact the Technical Studies Division office to obtain additional information and/or acquire a degree or certificate plan.

The following is the suggested sequence of courses for the following degree and certificate. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degrees or certificates.

Associate of Applied Science

	Semester I	
DFTG 1305	Technical Drafting	3
+DFTG 1309	Basic Computer Aided Drafting	3
ENGL 1301	Composition and Rhetoric	3
MCHN 1320	Precision Tools & Measurement	3
OSHT 1301	Intro To Safety & Health (WEB)	3
		15
	Semester II	
+DFTG 2340	Solid Model/Design	3
+DFTG 1317	Architectural Drafting	3
+DFTG 2302	Machine Drafting	3
	Natural Science/Mathematics[1]	3-4
	Speech[2]	3
		15-16
	Semester III	
+ARTV 1302	Intro Tech Animation & Rendering	3
+DFTG 2321	Topographical Drafting	3
+DFTG 2306	Machine Design	3
+DFTG 2323	Pipe Drafting	3
	Natural Science/Mathematics[1]	3-4
		15-16
	Semester IV	
+DFTG 2338	Final Project- Advanced Drafting	3
	DFTG Elective	3
	DFTG Elective	3
	Social/Behavioral Sciences[3]	3
	Humanities/Fine Arts[4]	3
		15
	TOTAL	**60-62**

[1]Select from the Natural Science/Mathematics section of the General Education Course List.

[2]Select a Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List.

[3]Select from the Social/Behavioral

[4]Select from the Humanities/Fine Arts section of the General Education Course List.

Computer Graphics Certificate

	Semester I	
DFTG 1305	Technical Drafting	3
+DFTG 2340	Solid Model/Design	3
+DFTG 1309	Basic Computer Aided Drafting	3
		9
	Semester II	
+DFTG 2338	Final Project-Advanced Drafting	3
+ARTV 1302	Intro Tech Animation & Rendering	3
	DFTG Elective	3
	DFTG Elective	3
		12
	TOTAL	**21**

Computer Science (see Information Technology)

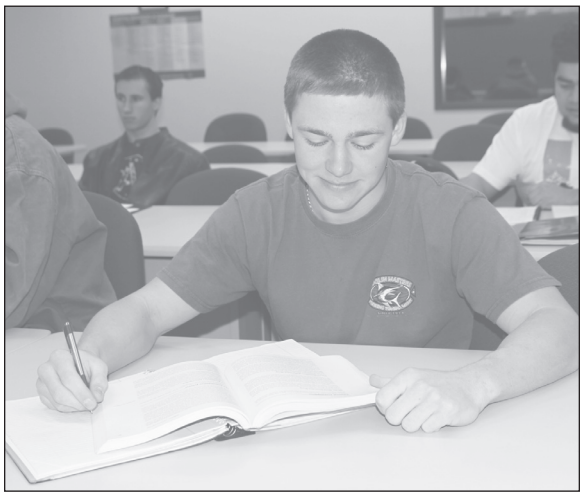
Cosmetology

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
J. Michael Fields *Program Director*	159 TC	685-6723
Sylvia Stephens *Faculty*	159 TC	685-6722
Carolyn Sutton *Lab Supervisor*	159 TC	685 6721
Edia Hernandez *Program Advisor*	101 AFA	686-4812

The Cosmetology program prepares students for careers as licensed cosmetologists. Midland College is certified by the Texas Department of Licensing and Regulations as a cosmetology training provider and the curriculum is designed to prepare students for successful completion of the Texas Cosmetology Operator and Cosmetology Instructor licensure examinations. Specific areas of training include hair design, hair care, nail technology, skin care/facials, hair coloring, chemical reformation, and salon development. Cosmetology Operator Certificate courses are offered from 8:00 a.m. to 5:00 p.m., Monday through Thursday. The Operator Certificate consists of 42 semester credit hours and takes one year (12 months) to complete. In addition to courses toward the Operator examination, Midland College also offers courses leading to the Cosmetology Instructor license. In order to ensure successful reading comprehension of licensure examination material and proper course sequencing as stipulated by the Texas Department of Licensing and Regulations, students must complete a Midland College Application for Admission and contact the program advisor before enrolling in Cosmetology courses. Students who enroll in the Cosmetology program at Midland College and who already possess a current Texas Cosmetology Operator Certificate are eligible to receive automatic college credit for courses in the Operator Certificate. Please contact program personnel for additional information.

Cosmetology Operator Certificate

	Semester I	
CSME 1443	Manicuring and Related Theory	4
CSME 1505	Fundamentals of Cosmetology	5
CSME 1553	Chemical Reformation and Related Theory	5
CSME 2302	Introduction to Application of Hair Color	3
		17
	Semester II	
CSME 1447	Principles of Skin Care/Facials and Related Theory	4
CSME 1410	Introduction to Haircutting and Related Theory	4
CSME 2401	The Principles of Hair Coloring and Related Theory	4
		12
	Semester III	
CSME 1254	Artistry of Hair Design I	2
CSME 2410	Advanced Haircutting and Related Theory	4
CSME 2441	Preparation for the State Licensing Examination	4
CSME 2343	Salon Development	3
		13
	TOTAL	**42**



Criminal Justice

Midland Program:

Gavin Frantz *Dean*	142 TC	685-4657
Lisa Hain *Division Secretary*	142 TC	685-6447
Faculty		
Robert Peetz *Lead Faculty*	174 TC	685-4685

The Criminal Justice/Law Enforcement program is designed to prepare students for the complex responsibilities of policing a community. It is intended to give the students knowledge in legal issues, human nature, social problems and attitudes that differ from their own. Midland College offers two degree options and one certificate option in this area. The Associate of Science (AS)-Criminal Justice degree is designed to provide courses at the freshman and sophomore levels for students pursuing a baccalaureate degree with a major or minor in criminal justice. The Associate of Applied Science (AAS)-Law Enforcement degree provides education and training for developing a marketable skill in law enforcement and may qualify the graduate for admission into a Bachelor of Applied Technology or Bachelor of Applied Science program at certain colleges or universities. A Law Enforcement Certificate is offered for individuals who need to document certain course work. All degree and certificate options include instruction in both law enforcement and corrections that is designed to challenge students, facilitate critical thinking and problem solving skills and facilitate learning. The AAS and AS Degree programs consist of 60-61semester credit hours and can be completed in two years. The Law Enforcement Certificate consists of 25 semester credit hours and can be completed in one year. Students interested in these programs should contact the Business Studies Division Dean or the criminal justice faculty. The courses listed on the following page are suggested for students who wish to earn an Associate of Science degree at Midland College. An official degree plan must be filed before graduation. For additional information on degree plans, contact the faculty or Dean listed above. The Texas Higher Education Coordinating Board has designated five courses in the Criminal Justice Field of Study (CJFOS) These courses comprise a core of courses that are guaranteed to transfer to upper-level institutions and apply towards a baccalaureate degree in criminal justice. These courses are CRIJ 1301, CRIJ 1306, CRIJ 1310, CRIJ 2313 and CRIJ 2328. The transferability of other courses is within the discretion of the upper-level institution. Implementation of the CJFOS does not affect the number of courses or credit hours required for completing a degree or certificate at Midland College.

The following is the suggested sequence of courses for this degree. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the approved core curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than four semesters to complete their degree.

Associate of Science Criminal Justice

Students transferring to another institution should follow this degree plan.

	Semester I	
CRIJ 1301	Introduction to Criminal Justice	3
ENGL 1301	Composition and Rhetoric	3
SPCH 1315	Introduction to Speech Communication	3
+MATH 1314	College Algebra	3
GOVT 2301	Federal and State Government I	3
KINE 1100	Physical Fitness[1]	1
		16
	Semester II	
CRIJ 1306	Court Systems and Practices	3
CRIJ 1310	Fundamentals of Criminal Law	3
+ENGL 1302	Composition and Literature	3
	Visual and Performing Arts[2]	3
GOVT 2302	Federal and State Government II	3
		15
	Semester III	
CRIJ 2313	Correctional Systems and Practices	3
	Criminal Justice Elective	3
	Natural Sciences[3]	4
HIST 1301	US History to 1877	3
PSYC 2301	Introduction to Psychology **or**	3
SOCI 1301	Introduction to Sociology	
		16
	Semester IV	
+CRIJ 2328	Police Systems and Practices	3
HIST 1302	US History since 1877	3
	Natural Sciences[3]	4
	Humanities[4]	3
		13
	TOTAL	**60**

[1]You may also choose KINE 1101, 1102, or 1103.
[2]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[3]Select from the Natural Sciences section of the Core Curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.

LAW ENFORCEMENT

The Associate of Applied Science - Law Enforcement (AAS) degree option gives students greater flexibility in coursework, having more electives, a greater number of criminal justice courses and fewer academic courses than the Associate of Science Degree. Graduates from an accredited college or university holding a baccalaureate degree may receive an AAS degree in Law Enforcement upon successful completion of thirty (30) semester hours of criminal justice courses and by completing appropriate leveling courses as determined by the Dean or Faculty. The degrees and certificate in this field offered by Midland College and the courses needed to achieve these credentials are included in the following sections.

The following is the suggested sequence of courses for these degrees and certificates. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in **bold** are part of the approved **general education** curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than four semesters to complete their degree.

Associate of Applied Science

Students seeking the AAS in Law Enforcement should follow this degree plan:

	Semester I			**Semester III**	
CRIJ 1301	Introduction to Criminal Justice	3	CRIJ 2313	Correctional Systems and Practices	3
CRIJ 1307	Crime in America	3	CRIJ 2323	Legal Aspects of Law Enforcement	3
CRIJ 2314	Criminal Investigation	3	**GOVT 2302**	Federal and State Government II	3
ENGL 1301	Composition and Rhetoric	3	**SOCI 1301**	Introduction to Sociology	3
SPCH 1321	Business and Professional Speaking	3		Natural Science/Mathematics[3]	
KINE 1100	Physical Fitness[1]	1			3-4
		16			**15-16**
	Semester II			**Semester IV**	
CRIJ 1306	Court Systems and Practices	3	CJSA 2323	Criminalistics	3
CRIJ 1310	Fundamentals of Criminal Law	3	+CRIJ 2328	Police Systems and Practices	3
	Criminal Justice Elective[2]	3		Criminal Justice Elective[2]	3
+ENGL 1302	Composition and Literature	3	**PSYC 2301**	Introduction to Psychology	3
GOVT 2301	Federal and State Government I	3		Humanities/Fine Arts Elective[4]	3
		15			**15**
				TOTAL	**61**

[1]You may also choose KINE 1101, 1102, or 1103.
[2]Electives may be CRIJ, CJSA, CJLE, CJCR, HMSY or LGLA courses.
[3]Select from the Natural Science/Mathematics section of the General Education Course List.
[4]Select from the Humanities/Fine Arts section of the General Education Course List.

Law Enforcement Certificate

Students seeking a technical certificate in Law Enforcement should follow this plan:

Course Progression

	Semester I			**Semester II**	
CRIJ 1301	Introduction to Criminal Justice	3	CRIJ 1306	Court Systems and Practices	3
CRIJ 2313	Correctional Systems and Practices	3	CRIJ 1310	Fundamentals of Criminal Law	3
GOVT 2301	Federal and State Government I	3	+CRIJ 2328	Police Systems and Practices	3
KINE 1100	Physical Fitness[1]	1		Criminal Justice Elective	3
		10			**12**
				TOTAL	**22**

[1]You may also choose KINE 1101, 1102, or 1103.

Diagnostic Medical Sonography

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Elizabeth Brown *Program Director*	A35 AMS	685-5572
Laurie Fitzgerald *Clinical Director*	*A30 AMS*	*685-5577*

Diagnostic Medical Sonography is an allied health specialty utilizing high frequency sound waves to aid in the diagnosis of disease. Sonographers are important members of the diagnostic imaging team. The sonographer works independently to obtain appropriate images of anatomy and pathology and conveys this information to physicians to assist in the care and treatment of patients.

The Diagnostic Medical Sonography program is designed to provide the necessary education through academic instruction and professional training to develop advanced medical imaging skills and prepare the graduate for employment in the field of sonography. Applicants with prior associate in applied science degrees in radiography, respiratory care, nuclear medicine and/or nursing are eligible for a certificate or degree. A class is admitted each fall. Applicants are encouraged but not required to complete as many non-sonography courses as possible prior to entering the program. Accepted students must take all sonography courses in sequential order and must pass all required courses with a minimum grade of "C".

The degree and certificate in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the division office to obtain additional information and/or acquire a degree or certificate plan.

Special Admission Requirements: The Midland College Diagnostic Medical Sonography program has a limited enrollment based on specific admission criteria. For information regarding the admission criteria call the Health Sciences Division office. Each prospective student will be counseled by sonography program faculty as scheduled through the Health Sciences office. A physical examination and current immunizations are required prior to beginning sonography courses. Health insurance is required. Students must be certified in cardiopulmonary resuscitation (CPR).

The following is the suggested sequence of courses for this degree. However, courses that do not have a prerequisite do not have to be taken in order but they must be taken by the semester listed. Sonography (DMSO) courses must be taken according to the suggested sequence. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science

	Semester I	
PHYS 1401	College Physics **or**	4
PHYS 1415	Physical Science I	
BIOL 2401	Anatomy and Physiology I	4
	Speech[1]	3
MATH 1314	College Algebra	3
HPRS 1106	Essentials of Medical Terminology	1
		15
	Semester II	
+BIOL 2402	Anatomy and Physiology II	4
DMSO 1302	Basic Ultrasound Physics	3
DMSO 1360	Clinical I	3
DMSO 1405	Sonography of Abdominopelvic Cavity	4
		14
	Semester III	
PSYC 2301	Introduction to Psychology	3
+DMSO 1361	Clinical II	3
DMSO 2353	Sonography of Superficial Structures	3
		9
	Semester IV	
ENGL 1301	Composition and Rhetoric	3
+DMSO 1442	Intermediate Ultrasound Physics	4
+DMSO 2405	Sonography of Obstetrics/Gynecology	4
+DMSO 2460	Clinical III	4
		15
	Semester V	
DMSO 2351	Doppler Physics	3
+DMSO 2354	Neurosonology	3
DMSO 2357	Advanced Ultrasound Professionalism and Registry Review	3
+DMSO 2461	Clinical IV	4
		13
	TOTAL	**66**

Certificate

	Semester I	
PHYS 1401	College Physics I **or**	4
PHYS 1415	Physical Science I	
MATH 1314	College Algebra	3
		7
	Semester II	
DMSO 1302	Basic Ultrasound Physics	3
DMSO 1360	Clinical I	3
DMSO 1405	Sonography of Abdominopelvic Cavity	4
		10
	Semester III	
+DMSO 1361	Clinical II	3
DMSO 2353	Sonography of Superficial Structures	3
		6
	Semester IV	
+DMSO 1442	Intermediate Ultrasound Physics	4
+DMSO 2405	Sonography of Obstetrics/Gynecology	4
+DMSO 2460	Clinical III	4
		12
	Semester V	
DMSO 2351	Doppler Physics	3
+DMSO 2354	Neurosonology	3
DMSO 2357	Advanced Ultrasound Professionalism and Registry Review	3
+DMSO 2461	Clinical IV	4
		13
	TOTAL	**48**

[1] Select a Speech course from the Humanities/Fine Arts section of the General Education Course List.

Diesel Technology

Curt Pervier	143 TC	685-4677
Dean		
Fonda Bowen	143 TC	685-4676
Division Secretary		
Ted Sumners	ATC	681-6344
Director		
Faculty		
Steve Hargrove	ATC	681-6349
Daniel Garmer	ATC	681-6353
Pete Avalos	ATC	681-6341

The Diesel Technology program prepares students for Careers as Diesel Service technicians. Midland College is a National Automotive Technicians Education Foundation (NATEF) certified program, and the curriculum is designed to prepare students for successful completion of both Diesel and ASE examinations. Specific areas of training include electrical systems, electronic controls, brake systems, suspension and steering, heating and air conditioning, engine performance, engine repair, manual drive trains and axles, automatic transmissions/transaxles, and diesel/automotive shop management. An Associate of Applied Science Degree in Diesel Technology consists of 61-62 semester credit hours and takes approximately two years to complete. One certificate option is available consisting of 24 semester credit hours and taking approximately one year to complete. Students interested in this program should contact the Technical Studies Division office to obtain additional information and/or acquire a degree or certificate plan.

The following is the suggested sequence of courses for the following degree and certificate. A+ indicates courses with a prerequisite or co-requisite. Courses that do not have a prerequisite have to be taken in order. Part-time students may require more than four semesters to complete their degrees or certificates. Nevertheless, the general sequence should still be followed.

Associate of Applied Science

	Semester I	
DEMR 1305	Basic Electrical Systems	3
DEMR 1306	Diesel Engine I	3
DEMR 1317	Basic Brake Systems	3
MCHN 1320	Precision Tools and Measurement	3
OSHT 1301	Introduction to Safety and Health	3
		15
	Semester II	
AUMT	Elictive	3
DEMR 1330	Air Conditioning	3
DEMR 1323	Heating, Ventilation, and Air Conditioning Troubleshooting and Repair	3
ENGL 1301	Composition and Rhetoric	3
	Speech[1]	3
		15

	Semester III	
+DEMR 1310	Diesel Engine Testing and Repair I	3
+DEMR 1321	Power Train I	3
+DEMR 1335	Automatic Power Shift and Hydrostatic Transmissions I	3
+DEMR 2332	Electronic Controls	3
	Natural Science/ Mathmatics[2]	3-4
		15-16
	Semester IV	
+DEMR	Elective	3
+AUMT 2437	Automotive Electronics	4
+DEMR	Elective	3
	Social/Behavioral Sciences[3]	3
	General Education Elective[4]	3
		16
	TOTAL	**61-62**

[1]Select a Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List.
[2]Select from the Natural Science/Mathematics section of the General Education Course List.
[3]Select from the Social/Behavioral Sciences section of the General Education Course List.
[4]Select from the General Education Course List.

Diesel Certificate

Semester I			Semester II		
DEMR 1305	**Basic Electrical Systems**	3	DEMR 1330	Steering and Suspension I	3
DEMR 1306	Diesel Engine I	3	DEMR 1323	Heating, Ventilation, and Air Conditioning (HVAC)	3
DEMR 1310	Diesel Engine Testing and Repair I	3	+DEMR 2312	Diesel Engines Testing and Repair II	3
DEMR 1317	Basic Brake Systems	3	+DEMR 2334	Advanced Diesel Tune-Up and Troubleshooting	3
		12			**12**
				TOTAL	**23**

Drafting (see Computer Graphics Technology)

Drama

William G. Feeler *Dean*	137 AFA	685-4626
Lula Lee *Division Secretary*	141 AFA	685-4624
Faculty		
Timothy Jebsen	130 AFA	686-4205

Midland College theatre students have an opportunity to study, work, and perform with a staff of professionals. Both the academic and the production aspects of theatre are studied in depth, and students are given the opportunity to practically apply their studies by participating in Midland College and Midland Community Theatre productions. All phases of theatre production are explored in a healthy, supportive, and artistic environment. The course of study enables the student to be properly prepared for more advanced study. The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	U.S. History[1]	3
DRAM 1330	Stagecraft I	3
DRAM 1351	Acting I	3
DRAM 1120	Rehearsal & Performance I	1
	Speech[2]	3
		16

	Semester II	
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
DRAM 2331	Stagecraft II	3
DRAM 1121	Rehearsal & Performance II	1
MATH 1314	College Algebra	3
	Other Social and Behavioral Sciences[3]	3
		16

	Semester III	
DRAM 1310	Theatre Appreciation	**3**
DRAM 2121	Rehearsal & Performance III	1
GOVT 2301	Federal and State Government I	3
	Modern & Classical Languages **or**	3
	Drama[4]	
	Natural Sciences[5]	4
		14

	Semester IV	
GOVT 2302	Federal and State Government II	3
+ENGL 2342	Forms of Literature (Drama)	3
	Modern & Classical Languages **or**	3
	Drama[4]	
	Natural Sciences[5]	4
	Fitness and Wellness[6]	1
		14

TOTAL **60**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select a Speech (SPCH) course from Communications section of the Core Curriculum Course List.
[3]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[4]Select a Modern or Classical Language for the AA degree or select a Drama Course from DRAM 1352, 2336, 2361, 2362, or 2366.
[5]Select from the Natural Sciences section of the Core Curriculum Course List.
[6]Select from the Fitness and Wellness portion of the Core Curriculum Course List.

Education

William Morris *Dean*	154 MHAB	685-6810
Monica Sosa *Division Secretary*	153 MHAB	685-6809
Mary Braselton *Program Director*	168 MHAB	685-6822

The Associate of Arts in Teaching (AAT) degree is a Texas Higher Education Coordinating Board-approved degree program consisting of lower-division courses intended for transfer to baccalaureate programs that lead to initial Texas teacher certification. The Associate of Arts in Teaching degree also meets the requirements for paraprofessionals who work in Texas public schools. Students may choose one of two AAT options depending on the teacher certification level desired.

Students are encouraged to consult the program Director before enrolling in courses. An official degree check should be completed the semester before graduation.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts in Teaching - Leading to Initial Texas Teacher Certification 8-12, EC-12 Other than Special Education

	Semester I	
ENGL 1301	Composition and Rhetoric	3
EDUC 1301	Introduction to the Teaching Profession	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
	Other Social/Behavioral Sciences[4]	3
	U.S. History[1]	3
	Natural Sciences[2]	4
+MATH 1314	College Algebra	3
		16
	Semester III	
GOVT 2301	Federal and State Government I	3
+EDUC 2301	Introduction to Special Populations	3
	Humanities[5]	3
	Teaching Field Electives[6]	6
		15
	Semester IV	
GOVT 2302	Federal and State Government II	3
	Speech[7]	3
	Visual and Performing Arts[8]	3
	Teaching Field Electives[6]	6
		15
	TOTAL	**60**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[4]Select from the Other Social/Behavioral Sciences portion of the Core Curriculum Course List.
[5]Select from the Humanities section of the Core Curriculum Course List.
[6]Select courses in the field/s you plan to teach in.
[7]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[8]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Associate of Arts in Teaching
Leading to Initial Texas Teacher Certification
EC-6, 4-8, EC-12 Special Education

	Semester I	
ENGL 1301	Composition and Rhetoric	3
EDUC 1301	Introduction to the Teaching Professions	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
PSYC 2301	Introduction to Psychology	3
	U.S. History[1]	3
	Natural Sciences[2]	4
+MATH 1314	College Algebra	3
		16
	Semester III	
GOVT 2301	Federal and State Government I	3
+EDUC 2301	Introduction to Special Populations	3
+MATH 1350	Fundamentals of Math I	3
	Humanities[4]	3
	Speech[5]	3
		15
	Semester IV	
GOVT 2302	Federal and State Government II	3
	Natural Science Elective	4
+MATH 1351	Fundamentals of Math II	3
	Visual/Performing Arts[6]	3
PSYC 2308	Child Psychology or	
	Natural Science Elective	3-4
		17
	TOTAL	**62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.
[5]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[6]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Emergency Medical Services

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Leland Hart *Program Director*	A32 AMS	685-5571
Tracy Davis *Faculty*	206 DFHS	685-4593

Emergency Medical Services is a Health Science profession recognized by the American Medical Association. A competent member of this profession will recognize, assess, and manage medical emergencies under the direction of a physician and primarily provide pre-hospital emergency care to acutely ill patients by ambulance service and secondarily in other appropriate settings (such as hospitals). Midland College offers an associate degree (2 years) or individualized courses preparing students to write the Texas Department of State Health Services examination for Basic Emergency Medical Technician (EMT) after the first eight (8) semester hours and the Texas Department of State Health Services exam for EMT-Paramedic after completion of EMT training and an additional 35 semester hours (12 months) of course work.

The degree and certificate in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the Division office to obtain additional information and/or acquire a degree or certificate plan.

Special Admission Requirements: The Emergency Medical Services program has a limited enrollment based on specific admission criteria. For information regarding the admission criteria, see the program brochure or the Emergency Medical Services program director.

The following is the suggested sequence of courses for this degree. However, courses that do not have a prerequisite do not have to be taken in order. Emergency Medical Services (EMSP) courses must be taken according to the suggested sequence. Part-time students may require more than five semesters to complete their degrees.

Associate of Applied Science

	Semester I	
BIOL 2401	Anatomy and Physiology I	4
HPRS 1106	Essentials of Medical Terminology	1
EMSP 1360	EMT Clinical	3
EMSP 1501	Emergency Medical Technician - Basic	5
		13
Semester II		
+BIOL 2402	Anatomy and Physiology II	4
ENGL 1301	Composition and Rhetoric	3
	Humanities/Fine Arts[1]	3
PSYC 2301	Introduction to Psychology	3
	Speech[2]	3
		16
	Semester III	
EMSP 1145	International Trauma Life Support	1
EMSP 1355	Trauma Management	3
EMSP 1356	Patient Assessment and Airway Management	3
EMSP 1438	Introduction to Advanced Practice	4
EMSP 2260	Paramedic Clinical I	2
		13
	Semester IV	
EMSP 1147	Pediatric Advanced Life Support	1
EMSP 2135	Advanced Cardiac Life Support	1
EMSP 2243	Assessment Based Management	2
+EMSP 2262	Paramedic Clinical II	2
EMSP 2444	Cardiology	4
		10
	Semester V	
+EMSP 2163	Paramedic Clinical III	1
EMSP 2248	Emergency Pharmacology	2
+EMSP 2263	Paramedic Clinical IV	2
EMSP 2338	EMS Operations	3
EMSP 2434	Medical Emergencies	4
		12
	TOTAL	**64**

[1]Select from the Humanities/Fine Arts section of the General Education Course List.

[2]Select a Speech from the Humanities/Fine Arts section of the General Education Course List.

Emergency Medical Technician Certificate

	Semester I	
BIOL 2401	Anatomy and Physiology I **or**	4
VNSG 1420	Anatomy and Physiology for Allied Health	
HPRS 1106	Essentials of Medical Terminology	1
EMSP 1360	EMT Clinical	3
EMSP 1501	Emergency Medical Technician - Basic	5
	Speech[1]	3
	TOTAL	**16**

[1] **Select a Speech course from the Humanities/Fine Arts section of the General Education Course List.**

Intermediate Certificate

	Semester I	
BIOL 2401	Anatomy and Physiology I **or**	4
VNSG 1420	Anatomy and Physiology for Allied Health	
EMSP 1145	International Trauma Life Support	1
EMSP 1355	Trauma Management	3
EMSP 1356	Patient Assessment and Airway Management	3
EMSP 1438	Introduction to Advanced Practice	4
EMSP 2260	Paramedic Clinical I	2
		17

	Semester II	
EMSP 2262	Paramedic Clinical II	2
EMSP 2434	Medical Emergencies	4
		6
	TOTAL	**23**

Paramedic Certificate

	Semester I	
BIOL 2401	Anatomy and Physiology I **or**	4
VNSG 1420	Anatomy and Physiology for Allied Health	
EMSP 1360	EMT Clinical	3
EMSP 1501	Emergency Medical Technician - Basic	5
		12

	Semester II	
EMSP 1145	International Trauma Life Support	1
EMSP 1355	Trauma Management	3
EMSP 1356	Patient Assessment and Airway Management	3
EMSP 1438	Introduction to Advanced Practice	4
EMSP 2260	Paramedic Clinical I	2
		13

Semester III

EMSP 1147	Pediatric Advanced Life Support	1
EMSP 2135	Advanced Cardiac Life Support	1
EMSP 2243	Assessment Based Management	2
+EMSP 2262	Paramedic Clinical II	2
EMSP 2444	Cardiology	4
		10

Semester IV

+EMSP 2163	Paramedic Clinical III	1
EMSP 2248	Emergency Pharmacology	2
+EMSP 2263	Paramedic Clinical IV	2
EMSP 2338	EMS Operations	3
EMSP 2434	Medical Emergencies	4
		12
	TOTAL	**47**

Engineering (See Physics)

Energy Technology

Gavin Frantz *Dean*	142 TC	685-4657
Tracy Gandy *Program Director*	134 TC	685-4637
Lisa Hain *Division Secretary*	142 TC	685-6447
Faculty		
Terry Dummer	126 TC	685-6457
Doug Johnson	119 TC	685-4665
Marty Villarreal	128 TC	685-5563

The Energy Technology program prepares students for careers as technicians with energy companies in the West Texas region. The curriculum is designed to provide training in the electrical and mechanical aspects of the installation, operation, and maintenance of systems used in petroleum exploration and production, wind energy, and other renewable alternative energy industries.

Graduates will be able to perform mechanical and electrical installation, troubleshooting, and maintenance of complex industrial automation. Job titles may include Field Service Technician, Technical Operator, Hoist and Winch Operator, Instrument Maker and Repairer, Maintenance Mechanic, Oil Well Service Operator, Instrument Maintenance Technician, Service Unit Operator, Wind Turbine Technician, Operations and Maintenance Technician, and Energy Auxiliary Operator.

The Energy Technology program offers students an Associate of Applied Science (AAS degree) in Energy Technology, with emphasis areas in Petroleum Energy and Wind Energy, consisting of 64-65 semester credit hours. The program also offers Certificate options: Energy Technician, 15 SCH; Energy Technician II, 34 SCH; Wind Energy Technician, 49 SCH; and Petroleum Energy Certificate, 49 SCH. Full-time students may complete degree requirements in two years, while Certificate options range from one to three semesters to complete. Part-time students may require more than the designated number of semesters to complete their degree.

Students interested in any of these degrees or certificates should contact the Business Studies Division office to obtain additional information and acquire a personalized degree or certificate plan.

The following is the suggested sequence of courses for these degrees and certificates. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the general education curriculum. Courses without prerequisites do not have to be taken in order, but the following general sequence should still be followed when possible.

Energy Technology

Petroleum Energy Technician Emphasis

This emphasis provides the student with the understanding and the skills to work with Petroleum Energy equipment and components.

Associate of Applied Science

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
		15
	Semester II	
CETT 1402	Electricity Principles	4
ELMT 2339	Advanced Programmable Logic Controllers	3
ELMT 2370	Pumps and Electromechanical Drives	3
ELMT 2371	Electromechanical Troubleshooting	3
ITNW 1425	Fundamentals of Networking Technologies	4
POFI 1270	Field Reports and Data Transfer	2
		19

	Semester III	
PTRT 1301	Introduction to Petroleum Industry	3
PTRT 1309	Corrosion Basics	3
PTRT 1324	Petroleum Instrumentation	3
PTRT 2371	Petroleum Geology for Non-Geologists	3
PTRT 2372	Petroleum Data Loading	3
		15
	Semester IV	
	General Education Elective[3]	3-4
	Humanities/Fine Arts	3
	Natural Science/Mathematics[2]	3-4
	Social/Behavioral Science[1]	3
	SPCH 1311, 1315, 1318, or 1321	3
		15-16
	TOTAL	**64-65**

[1]Select from the Social and Behavioral Sciences section of the General Education Course List.
[2]Select from the Natural Sciences/Mathematics section of the General Education Course List.
[3]Select from the General Education Course List.

Certificate

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
		15
	Semester II	
CETT 1402	Electricity Principles	4
ELMT 2339	Advanced Programmable Logic Controllers	3
ELMT 2370	Pumps and Electromechanical Drives	3
ELMT 2371	Electromechanical Troubleshooting	3
ITNW	Fundamentals of Networking Technologies	4
POFI 1270	Field Reports and Data Transfer	2
		19

	Semester III	
PTRT 1301	Introduction to Petroleum Industry	3
PTRT 1309	Corrosion Basics	3
PTRT 1324	Petroleum Instrumentation	3
PTRT 2371	Petroleum Geology for Non-Geologists	3
PTRT 2372	Petroleum Data Loading	3
		15
	TOTAL	**49**

Energy Technology

Wind Energy Technician Emphasis

This emphasis provides the student with the understanding and the skills to work with Wind Energy equipment and components.

Associate of Applied Science

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
		15
	Semester II	
CETT 1402	Electricity Principles	4
ELMT 2339	Advanced Programmable Logic Controllers	3
ELMT 2370	Pumps and Electromechanical Drives	3
ELMT 2371	Electromechanical Troubleshooting	3
ITNW 1425	Fundamentals of Networking Technologies	4
POFI 1270	Field Reports and Data Transfer	2
		19
	Semester III	
WIND 1300	Introduction to Wind Energy	3
WIND 2310	Wind Turbine Materials & Electromechanical Equipment	3
WIND 2355	Wind Turbine Troubleshooting & Repair	3
WIND 2359	Wind Power Delivery System	3
WIND 2370	Wind Energy Composites	3
		15
	Semester IV	
	General Education Elective[3]	3-4
	Humanities/Fine Arts	3
	Natural Science/Mathematics[2]	3-4
	Social/Behavioral Science[1]	3
	SPCH 1311,1315,1318, or 1321	3
		15-16
	TOTAL	**64-65**

[1]Select from the Social and Behavioral Sciences section of the General Education Course List.
[2]Select from the Natural Sciences/Mathematics section of the General Education Course List.
[3]Select from the General Education Course List.

Certificate

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
		15
	Semester II	
CETT 1402	Electricity Principles	4
ELMT 2339	Advanced Programmable Logic Controllers	3
ELMT 2370	Pumps and Electromechanical Drives	3
ELMT 2371	Electromechanical Troubleshooting	3
ITNW 1425	Fundamentals of Networking	4
POFI 1270	Field Reports and Data Transfer	2
		19
	Semester III	
WIND 1300	Introduction to Wind Energy	3
WIND 2310	Wind Turbine Materials & Electromechanical Equipment	3
WIND 2355	Wind Turbine Troubleshooting & Repair	3
WIND 2359	Wind Power Delivery System	3
WIND 2370	Wind Energy Composites	3
		15
	TOTAL	**49**

Energy Technician Certificate II

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
		15

	Semester II	
CETT 1402	Electricity Principles	4
ELMT 2339	Implementing and Supporting Servers	3
ELMT 2370	Pumps and Electromechanical Drives	3
ELMT 2371	Electromechanical Troubleshooting	3
ITNW 1425	Fundamentals of Networking Technologies	4
POFI 1270	Field Reports and Data Transfer	2
		19

TOTAL **34**

Energy Technician Certificate

	Semester I	
ELMT 1303	Basic Fluid Power	3
ELMT 1370	Electromechanical Safety & Repair	3
ELMT 1371	Automation	3
OSHT 1316	Material Handling	3
TECM 1303	Technical Calculations	3
POFI 1270	Field Reports and Data Transfer	2
		15

TOTAL **17**

English

William G. Feeler *Dean*	137 AFA	685-4626
Lula Lee *Division Secretary*	141 AFA	685-4624
Faculty		
Diane Allen	134 AFA	685-6458
Russell Goodyear	118 AHSF	685-4605
Pamela Howell	181 AFA	685-4628
Terry Jolliffe	197 AFA	686-5568
Glenda Lindsey-Hicks	177 TC	685-4627
Laura McKenzie	WRTTC	(432) 336-3882 ext. 111
Karen Pape	120 AFA	685-5595
Rebecca Watson	108 AHSF	685-4632
Mary Williams	144 AFA	685-4631

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + denotes courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	U.S. History[1]	3
	Speech[2]	3
	Modern & Classical Language Elementary I **or** English Literature[3]	3-4
	Visual and Performing Arts[4]	3
		15-16
	Semester II	
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
	Modern & Classical Language Elementary II **or** English Literature[3]	3-4
MATH 1314	College Algebra	3
	Other Social/Behavioral Sciences[5]	3
		15-16
	Semester III	
	English Literature[6]	6
	Natural Sciences[7]	4
	Modern & Classical Language Intermediate I **or** General Elective[8]	3
GOVT 2301	Federal and State Government I	3
		16
	Semester IV	
	English Literature[6]	3
	Natural Sciences[7]	4
	Modern & Classical Language Intermediate II **or** General Elective[8]	3
GOVT 2302	Federal and State Government II	3
	Fitness and Wellness[9]	1
		14
	TOTAL	**60-62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[3]Select a Modern or Classical Language for the AA degree or select either ENGL 2307 or ENGL 2311 for the AS degree.
[4]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[6]Select from English courses in the Humanities section of the Core curriculum Course List.
[7]Select from the Natural Sciences section of the Core Curriculum Course List.
[8]Select Modern or Classical Language for the AA degree or another course for the AS degree.
[9]Select from the Fitness and Wellness portion of the Core Curriculum Course List.

Fire Science Technology

Curt Pervier *Dean*	143 TC	685-4677
Fonda Bowen *Division Secretary*	143 TC	685-4676
Mark Kuhn *Program Director*	156 TC	685-4663

The Fire Science Technology program prepares students for careers in the fire service field with municipal fire departments, insurance inspection agencies, industrial safety firms, the U.S. Forest Service, and the U.S. Department of Defense. The curriculum is designed to meet the needs of personnel currently employed in fire service positions and those desiring preparation for employment.

Midland College is licensed by the Texas Commission on Fire Protection for Basic Firefighter Certification in Texas. The Midland College Regional Fire Academy consists of seven courses, and requires two semesters to complete. A new academy "Class" begins in the fall semester of every year. A Firefighter Certificate is granted upon successful completion of the academy. Students meeting all eligibility requirements will be qualified to take the State of Texas certification examination for Basic Firefighter. Enrollment is limited; please contact the Program Director or the Technical Studies Division office for details.

The Associate of Applied Science degree program consists of 61-64 semester credit hours. The following is the suggested sequence of courses for this degree. Please note that courses that require prerequisites are denoted by a plus sign (+). Part-time students may require more than four semesters to complete their degree.

Fire Science Technology

Associate of Applied Science

	Semester I	
FIRS 1401	Firefighter Certification I	4
+FIRS 1407	Firefighter Certification II	4
+FIRS 1413	Firefighter Certification III	4
	Speech[1]	3
		15
	Semester II	
+FIRS 1419	Firefighter Certification IV	4
+FIRS 1423	Firefighter Certification V	4
+FIRS 1329	Firefighter Certification VI	3
+FIRS 1433	Firefighter Certification VII	4
		15
	Semester III	
FIRT 1307	Fire Prevention Codes and Inspection	3
FIRT 1309	Fire Administration I	3
BCIS 1405	Business Computer Applications	4
	General Education Elective[5]	3-4
	Humanities/Fine Arts[2]	3
		16-17
	Semester IV	
FIRT 2380	CO-OP Education-Fire Protection and Safety Technology/Technician	3
	FIRT Elective	3
	Natural Science/Mathematics[4]	3-4
	General Elective	3-4
	Social & Behavioral Science Elective[3]	3
		15-17
	TOTAL	**61-64**

[1]Select a Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List.
[2]Select from the Humanities/Fine Arts section of the General Education Course List.
[3]Select from the Social/Behavioral Sciences section of the General Education Course List.
[4]Select from the Natural Science/Mathematics section of the General Education Course List.
[5]Select from the General Education Course List.

Firefighter Certificate

Semester I			Semester II		
FIRS 1401	Firefighter Certification I	4	+FIRS 1419	Firefighter Certification IV	4
+FIRS 1407	Firefighter Certification II	4	+FIRS 1423	Firefighter Certification V	4
+FIRS 1413	Firefighter Certification III	4	+FIRS 1329	Firefighter Certification VI	3
		12	+FIRS 1433	Firefighter Certification VII	4
					15
				TOTAL	**27**

Emergency Management Certificate

Semester I			Semester II		
HMSY 1337	Introduction to Homeland Security	3	HMSY 1343	Weapons of Mass Destruction	3
HMSY 1342	Understanding and Combating Terrorism	3	EMAP 2300	Developing Volunteer Resources and Decision Making	3
EMAP 1400	Principles of Basic Emergency Management	4	EMAP 2301	Leadership and Effective Communication	3
EMAP 1440	Disaster Exercise Design and Evaluation	4	EMAP 2355	Disaster Recovery	3
		14			**12**
				TOTAL	**26**

Geology

Margaret Wade	125 AHSF	685-4615
Dean		
Norma Duran	124 AHSF	685-4612
Division Secretary		
Brenda Smith	124 AHSF	685-6413
Division Secretary		
Faculty		
Joan Gawloski	121 AHSF	685-4630
Karen Waggoner	117 AHSF	685-5580

An associate degree in geology is designed to acquaint the student with the processes, applications, and techniques of earth science. The degree is suitable for someone who intends to complete a Bachelor's degree in geology or a related field like oceanography, meteorology, geophysics, or environmental science. Students who seek a degree in science education at either the elementary or secondary level may wish to emphasize geology in their degree plans.

For non-majors, geology courses offer a greater understanding of the world that enhances one's appreciation of surface features, environmental concerns, resource utilization, and the grandeur of immense changes through time.

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Science

	Semester I	
GEOL 1403	Physical Geology	4
CHEM 1411	General Inorganic Chemistry I **or**	4
PHYS 1401	College Physics I	
ENGL 1301	Composition and Rhetoric	3
	Mathematics[1]	3
		14

	Semester II	
+GEOL 1404	Historical Geology	4
+CHEM 1412	General Inorganic Chemistry II **or**	4
+PHYS 1402	College Physics II	
+ENGL 1302	Composition and Literature	3
	Mathematics **or**	
	Natural Science Elective	3-4
		14-15

	Semester III	
+GEOL 2409	Mineralogy	4
	Speech[2]	3
	U.S. History[3]	3
GOVT 2301	Federal and State Government I	3
	Mathematics **or**	
	Natural Science Elective	3-4
		16-17

	Semester IV	
	Humanities[4]	3
	Visual & Performing Arts[5]	3
GOVT 2302	Federal and State Government II	3
	Fitness & Wellness[6]	1
	Other Social and Behavioral Sciences[7]	3
	U.S. History[3]	3
		16

TOTAL **60-62**

[1]Select from the Mathematics section of the Core Curriculum Course List.
[2]Select a Speech (SPCH) course from the Communications section of the Core curriculum Course List.
[3]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.
[5]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[6]Select from the Fitness and Wellness section of the Core curriculum Course List.
[7]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

Government / Political Science

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
Fernando Lee Almaguer	169 MHAB	685-6823
Simon Cornell	167 MHAB	685-6821
Terry Gilmour	160 MHAB	685-6816
Janet Groth	WRTTC	432-336-7882
Sondra Richards	159 MHAB	685-6815

The program of study below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
GOVT 2301	Federal and State Government I	3
	Mathematics[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14

	Semester II	
+ENGL 1302	Composition and Literature	3
GOVT 2302	Federal and State Government II	3
	Speech[4]	3
	Natural Science[2]	4
	Other Social/Behavioral Sciences[5]	3
		16

	Semester III	
	U.S. History[6]	3
GOVT 2304	Introduction to Political Science	3
	Humanities[7]	3
	AA Modern Language **or** Elective[8]	3-4
	General Elective	3
		15-16

	Semester IV	
	U.S. History[6]	3
	Government Elective	3
	Visual and Performing Arts[9]	3
	Modern Language **or** Elective[8]	3-4
	General Elective	3
		15-16

TOTAL **60-62**

[1]Select from the Mathematics section of the Core curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[4]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[6]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[7]Select from the Humanities section of the Core Curriculum Course List.
[8]Select a Modern Language for the AA degree or a general elective for the AS degree.
[9]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Health Information Technology

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Melinda Teel *Program Director*	A15 AMS	685-5573
Faculty		
Shawnda Meshirer	A15 AMS	685-5578

This program is designed to prepare students to work with health information in hospitals, insurance companies, law firms, physicians' offices, long-term care agencies, rehabilitation centers and psychiatric and other health care facilities. The graduate will maintain, organize, analyze and generate health information for patient treatment, reimbursement, planning, quality assessment and research to ensure quality health care through quality information.

New classes begin each summer and courses must be taken sequentially for progression in the program. Applicants are required to complete prerequisite courses and complete TSI requirements prior to entering the program. Current immunizations are required after admission but prior to beginning field experience classes. To be eligible for graduation from the Health Information Technology (HITT) program, the student must complete the prescribed courses with a minimum grade of "C" have a cumulative grade point average of 2.0, pass a written final exit exam, satisfy all college financial obligations, and return all school property. All HITT courses must be completed within four years of degree completion. (Students attending part time are encouraged to complete all general education and prerequisites as the four year time span begins upon admission to the program.) Requirements to write the credentialing exam include written application, payment of fees, certification by the program director, and graduation from the program. Upon successful completion of the requirements, the student will be awarded an Associate of Applied Science degree in Health Information Technology. This program is fully accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIM) in cooperation with the American Health Information Management Association (AHIMA). Students completing this competency-based two-year program will be eligible to apply to write the national qualifying examination for certification as a Registered Health Information Technician (RHIT) given by the American Health Information Management Association (AHIMA). A one-year Coding and Billing certificate option is available.

The degree and certificates in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the Division office or review the program website to obtain additional information and/or acquire a degree or certificate plan. Specialty courses must be taken in sequence. For more information about this program visit www.midland.edu/hitt

Special Admission Requirements: The Midland College Health Information Technology program has a limited enrollment based on specific admission criteria. For information regarding available admission criteria, review the program website listed above. A downloadable Admission Packet is available online and must be submitted to the HITT office prior to acceptance into the program. Each prospective student will be counseled by program faculty. Students may take the following courses prior to acceptance into the program: HITT 1253, HITT 1205, HPRS 2301, SCIT 1207, and SCIT 1408.

The following is the suggested sequence of courses for this degree. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed. HITT courses must be taken according to the suggested sequence. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science

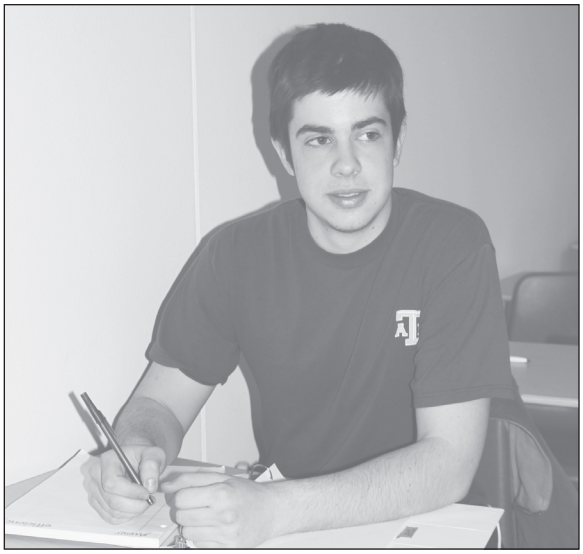
	Prerequisite Courses	
BCIS 1405	Business Computer Applications **or**	4
COSC 1401	Microcomputer Applications **or**	
ITSC 1409	Integrated Software Applications I	
HITT 1305	Medical Terminology	3
BIOL 2401	Anatomy and Physiology I **or**	
SCIT 1407[1]	Applied Human Anatomy and Physiology I	4
		11
	Semester I	
HITT 1301	Health Data Content and Structure	3
HITT 1255	Healthcare Statistics	2
BIOL 2402	Anatomy and Physiology II **or**	4
SCIT 1408[1]	Applied Human Anatomy and Physiology II	
	Humanities/Fine Arts[2]	3
		12
	Semester II	
HITT 1253	Legal and Ethical Aspects of Health Information Management	3
HITT 1345	Healthcare Delivery Systems	3
HPRS 2301	Pathophysiology	3
ENGL 1301	Composition and Rhetoric	3
	Speech[3]	3
		15
	Semester III	
HITT 2260	Clinical I	2
	Math/Natural Science Elective [1]	3-4
PSYC 2301	Introduction to Psychology	3
		5-9
	Semester V	
HITT 1311	Computers in Healthcare	3
HITT 1341	Coding Classification Systems	3
HITT 2335	Coding and Reimbursement Methodologies	3
HITT 2339	Supervision and Organization	3
		12
	Semester VI	
HITT 1342	Ambulatory Coding	3
HITT 2340	Advanced Medical Billing and Coding	3
HITT 2343	Quality Assessment and Performance Improvement	3
HITT 2361	Clinical II	3
		12
	TOTAL	**67-71**

[1]Students electing to take SCIT 1407 and SCIT 1408 must also take a four (4) hour Math/Natural Science elective in the Natural Science/Mathematics section of the General Education Course List. The total number of hours for the degree will be 70.
[2]Select from the Humanities/Fine Arts section of the General Education Course List.

[3]Select a Speech course from the Humanities/Fine Arts section of the General Education Course List.

Coding and Billing Certificate

	Prerequisite Courses	
BCIS 1405	Business Computer Applications **or**	
COSC 1401	Microcomputer Applications **or**	
ITSC 1409	Integrated Software Applications I	4
HITT 1305	Medical Terminology	3
BIOL 2401	Anatomy and Physiology I or	
SCIT 1407	Applied Human Anatomy and Physiology I	4
		11
	Semester I	
HITT 1301	Health Data Content and Structure	3
HITT 1311	Computers in Health Care	3
HITT 1341	Coding and Classification Systems	3
HITT 2335	Coding and Reimbursement Methodologies	3
BIOL 2402	Anatomy and Physiology II **or**	
SCIT 1408	Applied Human Anatomy and Physiology II	4
		16
	Semester II	
HITT 1167	Coding Clinical	1
HITT 1253	Legal and Ethical Aspects of Health Information	2
HITT 1342	Ambulatory Coding	3
HITT 1345	Healthcare Delivery Systems	3
HITT 2340	Advanced Medical Billing and Coding	3
HPRS 2301	Pathophysiology	3
		15
	TOTAL	**42**



History

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
Frank DeLaO	156 MHAB	685-6812
Todd Houck	170 MHAB	685-6824
Paula Marshall-Gray	155 MHAB	685-6811
Damon Kennedy	157 MHAB	685-6813

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the dean whose name is listed above.

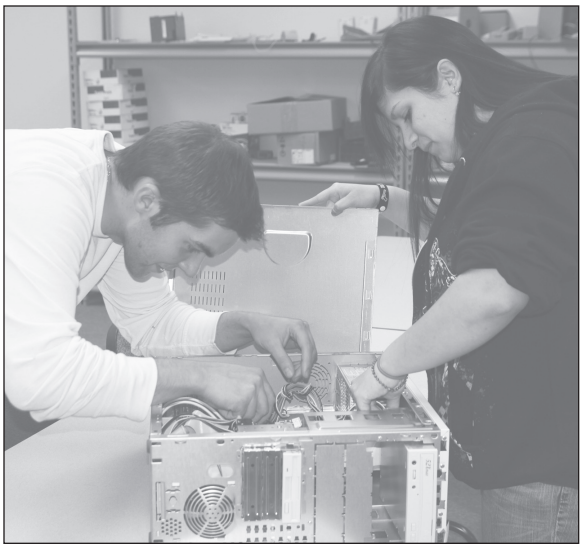
The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
HIST 1301	U.S. History to 1877	3
	Mathematics[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
HIST 1302	U.S. History since 1877	3
	Speech[4]	3
	Natural Science[2]	4
	Other Social/Behavioral Sciences[5]	3
		16

	Semester III	
GOVT 2301	Federal and State Government I	3
	History Elective	3
	Humanities[6]	3
	Modern Language[7] **or**	3-4
	General Elective	
	General Elective	3
		15-16
	Semester IV	
GOVT 2302	Federal and State Government II	3
	History Elective	3
	Visual and Performing Arts[8]	3
	Modern Language[7] **or**	3-4
	General Elective[7]	
	Elective	3
		15-16
	TOTAL	**60-62**

[1]Select from the Mathematics section of the Core Curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[4]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[6]Select from the Humanities section of the Core Curriculum Course List.
[7]Select a Modern Language for the AA degree or an elective for the AS degree.
[8]Select from the Visual and Performing Arts section of the Core Curriculum Course List.



Information Technology

Gavin Frantz	142 TC	685-4657
Dean		
Lisa Hain	142 TC	685-6447
Division Secretary		
Faculty		
Terry Dummer	120 TC	685-6457
Doug Johnson	119 TC	685-4665
Adriana Lumpkin	109 TC	685-4743
Vickie Pickett	107 TC	686-4204
Anita Shellenberger	WRTTC	432/336-7882
Marty Villarreal	101 TC	685-5563
Lab Instructors		
Nancy Scharf	110 TC	685-4672
Raquel Segovia	149 TC	685-4786

The Information Technology program prepares students for careers in computer maintenance and troubleshooting, computer network installation and troubleshooting, database design and administration, and computer programming. Curriculum is designed to develop skills, attitudes, and competencies for achieving employment, upgrading existing skills or preparing for further study at a university.

The Information Technology program offers students three degree options: AAS (Associate of Applied Science) in Information Technology Systems, AAS in Information Management Systems and an AS (Associate Degree) in Computer Science. Within the Information Technology Systems degree there are two emphasis areas: Computer Maintenance and Networking. The Information Management Systems degree also contains two emphasis areas: Data Management and Programming. The student can also get a certificate in each of these four emphasis areas or in Computer Gaming. The AS degree in Computer Science may be used to pursue a four-year degree in Computer Science at a university.

Degree options consist of 61-66 semester credit hours and generally take two years to complete, while Certificate options range from 19-37 semester credit hours and can take from two to three semesters to complete. Students interested in any of these degrees or certificates should contact the Business Studies Division office to obtain additional information and acquire a personalized degree or certificate plan.

The following is the suggested sequence of courses for these degrees and certificates. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the general education curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than the designated number of semesters to complete their degree.

Information Technology Systems
Computer Maintenance Emphasis

This emphasis provides students with the understanding and the skills to work with the complex components of computer technology, including the repair, maintenance, upgrade and troubleshooting of personal computers.

Associate of Applied Science

	Semester I	
CETT 1402	Electricity Principles	4
CPMT 1445	Computer Systems Maintenance	4
TECM 1303	Technical Calculations	3
ELMT 1371	Automation	3
		14
	Semester II	
ITSC 1409	Integrated Software Applications I	4
ITSC 1407	UNIX Operating System I	4
POFT 1301	Business English	3
SPCH 1321	Business and Professional Speaking	3
	Social/Behavioral Sciences[1]	3
		17
	Semester III	
ITCC 1401	Cisco Exploration 1-Network Fundamentals	4
ITNW 1454	Implementing and Supporting Servers	4
	Natural Science/Mathematics[2]	3-4
	General Education Elective[3]	3-4
		14-16
	Semester IV	
+CPMT 2445	Computer Systems Troubleshooting	4
ELMT 2339	Advanced Programmable Controllers	3
ITNW 1351	Fundamentals of Wireless LANs	3
+ITSY 2400	Operating System Security	4
	General Education Electives[3]	3-4
		17-18
	TOTAL	**62-65**

[1]Select from the Social/Behavioral Sciences section of the General Education Course List.
[2]Select from the Natural Science/ Mathematics section of the General Education Course List.
[3]Select from the General Education Course List.

Computer Maintenance Certificate

	Semester I	
CETT 1402	Electricity Principles	4
CPMT 1445	Computer Systems Maintenance	4
TECM 1303	Technical Calculations	3
ITCC 1401	Cisco Exploration 1- Network Fundamentals	4
ELMT 1371	Automation	3
		18
	Semester II	
ITSC 1409	Integrated Software Applications I	4
+CPMT 2445	Computer Systems Troubleshooting	4
ITNW 1351	Fundamentals of Wireless LANs	3
ITNW 1454	Implementing and Supporting Servers (Fall only) **or**	
ITSC 1407	UNIX Operations System I	4
+ITSY 2400	Operating System Security	4
		19
	TOTAL	**37**

Information Technology Systems
Networking Emphasis

This emphasis prepares the student to understand, install, and troubleshoot networks. Students will have the opportunity to take courses that will prepare them to take professional certification exams, including CISCO Systems (Network Associate's exam), Microsoft (MCSE/MCSA exams for Windows XP and Windows 2003 Server).

Associate of Applied Science

	Semester I	
CPMT 1445	Computer Systems Maintenance	4
TECM 1303	Technical Calculations	3
ITCC 1401	Cisco Exploration 1-Networking Fundamentals	4
ELMT 1371	Automation or	
ITSE 2313	Web Authoring	3
		14
	Semester II	
+ITCC 1404	Cisco Exploration 2-Routing Protocols and Concepts	4
ITSC 1407	UNIX Operating System I	4
ITSC 1409	Integrated Software Applications	4
SPCH 1321	Business and Professional Speaking	3
	Natural Science/Mathematics[1]	3-4
		18-19
	Semester III	
+ITCC 2408	Cisco Exploration 3-Lan Switching and Wireless	4
ITNW 1454	Implementing and Supporting Servers (Fall only)	4
POFT 1301	Business English	3
	General Education Electives[3]	6-8
		17-19
	Semester IV	
+ITCC 2410	Cisco Exploration 4-Accessing the WAN	4
ITNW 1351	Fundamentals of Wireless LANs	3
+ITSY 2400	Operating System Security (Spring only)	3
	Social/Behavorial Science[2]	4
		14
	TOTAL	**63-66**

[1]Select from the Natural Science/Mathematics section of the General Education Course List.
[2]Select from the Social/Behavioral Sciences section of the General Education Course List.
[3]Select from the General Education Course List.

Networking Certificate

	Semester I	
CPMT 1445	Computer Systems Maintenance	4
TECM 1303	Technical Calculations	3
ITCC 1401	Cisco Exploration 1-Network fundamentals	4
ITNW 1454	Implementing and Supporting Servers (Fall only)	4
ELMT 1371	Automation or	
ITSE 2313	Web Authoring	3
		18
	Semester II	
+ITCC 1404	Cisco Ezploration 2-Routing Protocols and Concepts	4
ITNW 1351	Fundamentals of Wireless LANs	3
ITSC 1407	UNIX Operating System I	4
ITSC 1409	Integrated Software Applications I	4
+ITSY 2400	Operating System Security (Spring only)	4
		18
	TOTAL	**37**

Information Management Systems
Data Management Emphasis

This emphasis prepares students to work with business to design, implement, and administer databases. Students will be exposed to a variety of database development, programming, and query techniques.

Associate of Applied Science

	Semester I	
COSC 1336	Programming Fundamentals I	3
ITNW 1454	Implementing and Supporting Servers	4
BCIS 1405	Business Computer Applications	4
ITSE 1445	Introduction to Oracle SQL (Fall Only)	4
		15
	Semester II	
BUSI 1301	Business Principles	3
ENGL 1301	Composition and Rhetoric	3
ITSC 1407	UNIX Operating System I	4
MATH 1314	College Algebra **or**	
MATH 1324	Mathematics for Business and Social Sciences I	3
+ITSE 2454	Advanced Oracle PL/SQL	4
		17
	Semester III	
ITSE 2313	Web Authoring	3
ITSE 2409	Database Programming (Fall Only)	4
+MATH 1325	Mathematics for Business and Social Sciences II **or**	3
MATH 1342	Statistics	
SPCH 1321	Business and Professional Speaking	3
	Social / Behavioral Sciences[1]	3
		16
	Semester IV	
ACCT 2401	Principles of Accounting I **or**	
ACNT 1403	Introduction to Accounting I	4
BCIS 2390	Systems Analysis and Design	3
+ENGL 1302	Composition and Literature	3
ITSE 1356	Introduction to XML	3
		13
	TOTAL	**61**

[1]Select from the Social/Behavioral Sciences section of the General Education Course List.

Data Management Certificate

	Semester I	
COSC 1336	Programming Fundamentals I (Fall only)	3
BCIS 1405	Business Computer Applications	4
ITNW 1454	Implementing and Supporting Servers (Fall only)	4
ITSE 1445	Introduction to Oracle SQL (Fall only) **or**	
ITSE 2409	Database Programming (Fall only)	4
ITSE 2313	Web Authoring (FAll Only)	3
		18
	Semester II	
ACCT 2401	Principles of Accounting I **or**	4
ACNT 1403	Introduction to Accounting I	
BUSI 1301	Business Principles	3
ITSC 1407	UNIX Operating System I	4
ITSE 1356	Introduction to XML or	3-4
+ITSE 2454	Advanced Oracle PL/SQL	
	Approved Elective	3-4
		17-19
	TOTAL	**35-37**

Information Management Systems
Programming Emphasis

This emphasis provides students with an opportunity to develop programming skills using several of the most popular languages in use today. Beginning and advanced topics are taught. Additional specialty topics are offered including web page design using current authoring tools.

Associate of Applied Science

	Semester I	
COSC 1336	Programming Fundamentals I (Fall only)	3
ENGL 1301	Composition and Rhetoric	3
GAME 1306	Design and Creation of Games	3
ITSE 1445	Introduction to Oracle SQL (Fall only) **or**	4
ITSE 2409	Database Programming (Fall only)	
ITSE 2313	Web Authoring	3
		16
	Semester II	
+COSC 1337	Programming Fundamentals II (Spring only)	3
BCIS 1405	Business Computer Applications	4
ITSC 1407	UNIX Operating System I	4
ITSE 1356	Introduction to XML **or**	3-4
+ITSE 2454	Advanced Oracle PL/SQL	
SPCH 1321	Business and Professional Speaking	3
		17-18
	Semester III	
COSC 1330	Computer Programming	3
+COSC 2336	Programming Fundamentals III (Fall or Summer)	3
+ENGL 1302	Composition and Literature	3
ITNW 1454	Implementing and Supporting Servers (Fall only)	4
MATH 1314	College Algebra **or**	
MATH 1324	Mathematics for Business and Social Sciences I	3
		16
	Semester IV	
BCIS 2390	Systems Analysis and Design	3
COSC 2330	Advanced Structured Languages	3
+ENGL 2311	Technical Writing	3
	Social/Behavioral Sciences[1]	3
		12
	TOTAL	**61-62**

Programming Certificate

	Semester I	
COSC 1336	Programming Fundamentals I (Fall only)	3
GAME 1306	Design and Creation of Games	3
ITSE 2313	Web Authoring	3
ITNW 1454	Implementing and Supporting Servers (Fall only)	4
COSC 1330	Computer Programming	3
		16
	Semester II	
+COSC 1337	Programming Fundamentals II (Spring only)	3
ITSC 1407	UNIX Operating System I	4
BCIS 1405	Business Computer Applications	4
COSC 2330	Advanced Structured Languages	3
		14
	TOTAL	**30**

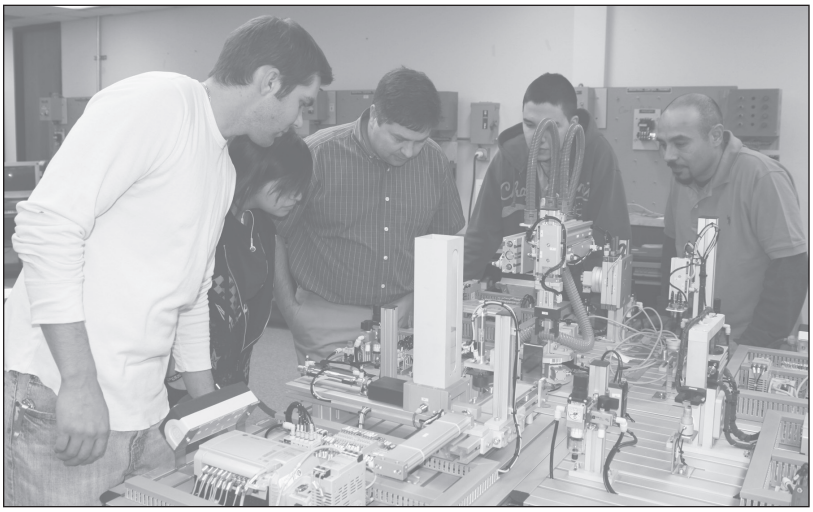
Information Management Systems
Computer Gaming Certificate

	Semester I			Semester II	
COSC 1336	Programming Fundamentals I (Fall only)	3	ARTS 2348	Digital Arts I	3
GAME 1306	Design and Creation of Games	3	+GAME 2341	Game Scripting	3
ITSC 1409	Integrated Software Applications I **or**	4			**6**
BCIS 1405	Business Computer Applications			**TOTAL**	**19**
ITSE 2313	Web Authoring	3			
		13			

Computer Science
Associate of Science

	Semester I			Semester III	
ENGL 1301	Composition and Rhetoric	3	+COSC 2336	Programming Fundamentals III	3
COSC 1336	Programming Fundamentals I	3	**+ENGL 1302**	Composition and Literature	3
HIST 1301	U.S. History to 1877	3	**GOVT 2301**	Federal and State Government I	3
MATH 2413	Calculus I	4		Other Social/Behavioral Sciences[3]	3
	Natural Science[1]	4	COSC 1330	Computer Programming	3
		17			**15**
	Semester II			**Semester IV**	
+COSC 1337	Programming Fundamentals II	3	**GOVT 2302**	Federal and State Government II	3
HIST 1302	U.S. History since 1877	3		Fitness and Wellness[4]	1
SPCH 1321	Business and Professional Speaking	3	**PHYS 1401**	College Physics I	4
	Humanities[2]	3	COSC 2330	Advanced Structured Languages	3
	Natural Science[1]	4		Visual and Performing Arts[5]	3
		16			**14**
				TOTAL	**62**

[1]Select from the Natural Sciences section of the Core Curriculum Course List.
[2]Select from the Humanities section of the Core Curriculum Course List.
[3]Select from the Other Social/Behavioral Sciences portion of the Social/Behavioral Sciences section of the Core Curriculum Course List.
[4]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[5]Select form the Visual and Performing Arts section of the Core Curriculum Course List.



Kinesiology / Physical Education

William Morris *Dean*	154 MHAB	685-6810
Monica Sosa *Division Secretary*	153 MHAB	685-6809
Ann Leach *Program Director*	119PE	685-4579
Faculty		
Kim Boone	147 PE	685-4650
David Coleman	140 PE	685-5561
Ross Hodge	137 PE	685-4577
Sonya Mikeska	Training Room PE	685-4715
Delnor Poss	112 PE	685-4576
Tommy Ramos	132 PE	685-4701

The program listed below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
KINE 1301	Introduction to Physical Education, Fitness, and Sport	3
KINE 1103	Physical Fitness: Circuit Weight Training	1
	U.S. History[1]	3
BIOL 1406	General Biology I **or**	
BIOL 2401	Anatomy and Physiology I	4
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
	Kinesiology Lecture Elective	3
MATH 1314	College Algebra **or**	3
	U.S. History[1]	3
BIOL 1407	General Biology II **or**	
BIOL 2402	Anatomy and Physiology II	4
		16

	Semester III	
	Kinesiology Lecture Elective	3
+KINE 2103	Physical Fitness: Circuit Weight Training	1
	Kinesiology Activity Elective	1
	Other Social/Behavioral Sciences[2]	3
GOVT 2301	Federal and State Government I	3
	Humanities[3]	3
		14
	Semester IV	
	Kinesiology Lecture Elective	3
	Kinesiology Activity Elective	1
	General Elective	3
	Speech[4]	3
GOVT 2302	Federal and State Government II	3
	Visual and Performing Arts[5]	3
		16
	TOTAL	**60**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[3]Select from the Humanities section of the Core Curriculum Course List.
[4]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[5]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Long Term Care Administration

Becky Hammack *Dean*	209a DFHS	685-4589
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Ed Penz *Program Director*	205 DFHS	685-4595

Midland College is approved by the Texas Department of Human Services, Long Term Care Credentialing to offer the five courses and the internship program to those seeking to become Licensed Nursing Home Administrators in the State of Texas. Five courses are offered via the internet and are available through the Midland College website (www.midland.edu) using the Blackboard program. For details regarding the internship through Midland College call (432) 685-4595. In order to become a Licensed Long Term Care Administrator in the State of Texas, an individual must possess a bachelor's degree, complete the five academic courses and the 1,000 clock hour internship, make application to the state and successfully pass the National Association of the Board of Examiners for Nursing Home Administrators (NAB) exam and the Texas State Standards Exam.

The following is the suggested sequence of courses for this certificate. Part-time students may require more than four semesters to complete the certificate.

Certificate

Semester I		
LTCA 1312	Resident Care in the Long Term Care Facility	3
LTCA 2310	Environment of the Long Term Care Facility	3
		6
Semester II		
LTCA 1313	Organization and Management in the Long Term Care Facility	3
LTCA 2314	Long Term Care Law	3
LTCA 2315	Financial Management of a Long Term Care Facility	3
		9
Semester III		
LTCA 2486[1]	Internship I	4
LTCA 2487[1]	Internship II	4
		8
Semester IV		
LTCA 2488[1]	Internship III	4
LTCA 2489[1]	Internship IV	4
		8
	TOTAL	**31**

[1]Credit may be awarded if the 1,000 hour internship is completed with a state approved preceptor.

Mathematics

Margaret Wade	125 AHSF	685-4615
Dean		
Norma Duran	124 AHSF	685-4612
Division Secretary		
Brenda Smith	124 AHSF	685-6413
Division Secretary		
Faculty		
Michael Dixon	109 AHSF	685-4616
Sonia Ford	115 AHSF	685-4525
Kyle Kundomal	116 AHSF	685-4710
Linda Penny	106 AHSF	685-4622
Joseph Severino	107 AHSF	685-4568
Lori Thomas	104 AHSF	685-4618

There are four main objectives of the Department of Mathematics: to provide a sound curriculum for students who wish to pursue a career in mathematics or mathematical education; to provide adequate training for students in science, engineering, and occupational technical programs; to provide math courses to satisfy general degree requirements; and to provide developmental courses to prepare students for college level work.

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courseS with either a prerequisite or co-requisite. Courses without a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Science

	Semester I	
+MATH 2413	Calculus I	4
ENGL 1301	Composition and Rhetoric	3
	Natural Sciences[1]	4
	U.S. History[2]	3
		14

	Semester II	
+MATH 2414	Calculus II	4
+ENGL 1302	Composition and Literature	**3**
	Natural Sciences[1]	4
	U.S. History[2]	3
		14

	Semester III	
+MATH 2415	Calculus III	4
	Speech[3]	3
GOVT 2301	Federal and State Government I	3
	Humanities[4]	3
	Math or Science Elective	4
		17

	Semester IV	
+MATH 2420	Differential Equations	4
GOVT 2302	Federal and State Government II	3
	Other Social/Behavioral Sciences[5]	3
	Fitness and Wellness[6]	1
	Visual and Performing Arts[7]	3
	General Elective	3-4
		17-18

	TOTAL	**62-63**

[1]Select from the Natural Sciences section of the Core Curriculum Course List.
[2]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[3]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[6]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[7]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Modern & Classical Languages

William G. Feeler	137 AFA	685-4626
Dean		
Lula Lee	141 AFA	685-4624
Division Secretary		
Faculty		
Russell Goodyear	118 AHSF	685-4605
Donna Patterson	175 TC	685-4629
Duberlinda Mauricio	175 TC	685-4562

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates a course with either a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	U.S. History[1]	3
	Speech[2]	3
	Modern & Classical Languages Elementary I	3-4
	Visual and Performing Arts[3]	3
		15-16
	Semester II	
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
	Modern & Classical Languages Elementary II	3-4
MATH 1314	College Algebra	3
	Other Social/Behavioral Sciences[4]	3
		15-16
	Semester III	
	English Literature[5]	3
	Natural Sciences[6]	4
	Modern & Classical Languages Intermediate I	3
GOVT 2301	Federal and State Government I	3
		13
	Semester IV	
	General Electives	6
	Natural Sciences[6]	4
	Modern & Classical Languages Intermediate II	3
GOVT 2302	Federal and State Government II	3
	Fitness and Wellness[7]	1
		17
	TOTAL	**60-62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[3]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[4]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core curriculum Course List.
[5]Select an English Literature course from the Humanities section of the Core Curriculum Course List.
[6]Select from the Natural Sciences section of the Core Curriculum Course List.
[7]Select from the Fitness and Wellness section of the Core Curriculum Course List.

Music

William G. Feeler *Dean*	137 AFA	685-4626
Lula Lee *Division Secretary*	141 AFA	685-4624
Faculty		
Rabon Bewley	122 AFA	685-4643
Bert Bostic	136a AFA	685-6446
Nicholas Elderkin	147 AFA	685-4644
Michael Jordan	134 AFA	685-4647

The Department of Music is a member of the Texas Association of Schools of Music and offers courses corresponding to its recommended curriculum.

Music courses are open to all students. See Tuition and Fees section of this catalog for voice/instrument instruction charges.

Students planning to transfer to a particular university should arrange their programs to meet the requirements of the college to which they plan to transfer.

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts

	Semester I	
MUAP	Applied Music (Major)	2
MUSI 1311	Music Theory[1]	3
MUEN	Music Ensemble	1
MUSI 1181	Class Piano I[2]	1
ENGL 1301	Composition and Rhetoric	3
MATH 1314	College Algebra	3
KINE	Fitness and Wellness[4]	1
		14

	Semester II	
MUAP	Applied Music II (Major)	2
MUSI 1312	Music Theory II	3
MUEN	Music Ensemble	1
MUSI 1182	Class Piano II	1
ENGL 1302	Composition and Literature	3
	Speech[5]	3
	U.S. History[8]	3
		16

	Semester III	
MUAP	Applied Music III (Major)	2
MUSI 2311	Music Theory III	3
MUSI 1308	Survey of Music Literature I	3
MUEN	Music Ensemble	1
	English Literature[3]	3
GOVT 2301	Federal and State Government I	3
		15

	Semester IV	
MUAP	Applied Music IV (Major)	2
MUSI 2312	Music Theory IV	3
MUSI 1309	Survey of Music Literature II	3
MUEN	Music Ensemble	1
GOVT 2302	Federal and State Government II	3
Other Social/Behavioral Sciences[7]		3
		15

	TOTAL	**60**

[1]All music majors should pass the music entrance exam or MUSI 1301 (Fundamentals of Music) before beginning Semester I. In addition, students who do not pass the history portion of the music entrance exam must enroll in MUSI 1306 (Appreciation of Music) before enrolling in MUSI 1308 (Survey of Music Literature I). Both MUSI 1301 and 1306 are considered preparatory courses for music majors and do not count toward the degree's credit load

[2]Piano majors enroll in Voice Instruction (MUAP 1179/1180) instead of Class Piano I/II.

[3]Select an English Literature course from the Humanities section of the Core Curriculum Course List.

[4]Select from the Fitness and Wellness section of the Core Curriculum Course List.

[5]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

[7]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

[8]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

Nursing - Associate Degree

Becky Hammack	209a DFHS	685-4600
Dean		
Kay Floyd	209b DFHS	686-4822
Division Secretary		
Valerie Steiner	210 DFHS	685-4741
Interim Program Director		
Faculty		
Kim Bezinque	214 DFHS	685-4741
Laura Cralle	217 DFHS	685-6408
Lori Hammond	219 DFHS	685-4590
Heather Hutson	213 DFHS	685-4597
Susan Jones-Gassaway	212 DFHS	685-4602
Lea Keesee	209b DFHS	685-4600
Lucinda Koonce	207 DFHS	685-4593
Cindy Madewell	209b DFHS	685-4600
Helen Peetz	215 DFHS	685-4599
Lynn Mock	218 DFHS	685-4591
Charlene Reeves	216 DFHS	685-4598
Geneo Roberts	206 DFHS	685-4594

Midland College offers a two-year nursing program leading to the degree of associate of applied science. A transition option for licensed vocational nurses is also available. Satisfactory completion of the program prepares the graduate to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) for licensure as a registered nurse. The nursing program is accredited by the National League for Nursing Accreditation Commission, 3343 Peach Tree Road NE, Suite 500, Atlanta, GA 30326, (404) 975-5000. To be eligible for graduation from the nursing program, the student must have completed each of the prescribed courses with a minimum grade of "C'', passed the end-of-program achievement examination, completed an NCLEX-RN review course, satisfied all college financial obligations, and returned all school property. Requirements to write the licensing examination include the application process, payment of fees, certification by the program director, graduation from the program, and approval of the Texas Board of Nursing.

The degree in this field offered by Midland College and the courses needed to achieve this credential are presented in the following sections. Students interested in this program should contact the Division office to obtain additional information and/or acquire a plan of study. Courses for the degree plan must be taken in sequence.

Special Admission Requirements: The Midland College Associate Degree Nursing Program has a limited enrollment based on specific admission criteria. For information regarding the admission criteria, contact the Health Sciences Division. To ensure consideration for the Fall Associate Degree Nursing class all admission criteria must be completed and all documentation submitted by May 25. To ensure consideration for the Spring Associate Degree Nursing class, all admission criteria must be completed and all documentation submitted by August 25. Information regarding the Licensed Vocational Nursing to Associate Degree Nursing option for currently licensed vocational nurses or licensed practical nurses may be obtained by contacting the program director. A physical examination is required after admission but prior to beginning nursing courses. Health insurance is required. Students must be certified in CPR (cardiopulmonary resuscitation).

The following is the suggested sequence of courses for this degree. A + indicates courses with either prerequisites or co-requisites. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed.

Nursing (RNSG) courses must be taken according to the suggested sequence. If the student has not completed the non-nursing courses prior to admission, these courses must be taken according to the suggested sequence. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science in Nursing FALL Admission

	Prerequisite Courses	
BIOL 2401	Anatomy and Physiology I	4
HPRS 1106	Essentials of Medical Terminology	1
+BIOL 2402	Anatomy and Physiology II	4
+BIOL 2421	Microbiology for Science Majors	4
		13
	Semester I	
RNSG 1108	Dosage and Calculations for Nursing	1
RNSG 1162	Clinical I	1
RNSG 1200	Introductory Concepts of Clinical Decision Making	2
RNSG 1215	Health Assessment	2
RNSG 1513	Foundations for Nursing Practice	5
		11
	Semester II	
PSYC 2301	Introduction to Psychology	3
+PSYC 2314	Lifespan Growth and Development	3
RNSG 1163	Clinical III	1
+RNSG 1201	Pharmacology	2
RNSG 1462	Clinical II	4
RNSG 2213	Mental Health Nursing	2
RNSG 2400	Intermediate Concepts of Clinical Decision Making	4
		19
	Semester III	
ENGL 1301	Composition and Rhetoric	3
	Humanities/Fine Arts[1]	3
RNSG 1412	Nursing Care of the Childbearing and Childbearing Family	4
RNSG 2205	Intermediate Concepts of Clinical Decision Making II	2
RNSG 2461	Clinical IV	4
		16
	Semester IV	
RNSG 2130	Professional Nursing Review and Licensure Preparation	1
RNSG 2207	Transition to Nursing Practice	2
RNSG 2370	Complex Clinical Decision Making	3
RNSG 2560	Clinical V	5
		11
	TOTAL	**70**

[1]Select from the Humanities/Fine Arts section of the General Education Course List.

Associate of Applied Science in Nursing SPRING Admission

	Prerequisite Courses	
BIOL 2401	Anatomy and Physiology I	4
HPRS 1106	Essentials of Medical Terminology	1
+BIOL 2402	Anatomy and Physiology II	4
+BIOL 2421	Microbiology for Science Majors	4
		13
	Semester I	
RNSG 1108	Dosage and Calculations for Nursing	1
RNSG 1162	Clinical I	1
RNSG 1200	Introductory Concepts of Clinical Decision Making	2
RNSG 1215	Health Assessment	2
RNSG 1513	Foundations for Nursing Practice	5
		11
Semester II		
PSYC 2301	Introduction to Psychology	3
+PSYC 2314	Lifespan Growth and Development	3
+RNSG 1201	Pharmacology	2
RNSG 1462	Clinical II	4
RNSG 2400	Intermediate Concepts of Clinical Decision Making	4
		16
	Semester III	
ENGL 1301	Composition and Rhetoric	3
	Humanities/Fine Arts[1]	3
RNSG 1163	Clinical III	1
RNSG 1412	Nursing Care of the Childbearing and Childbearing Family	4
RNSG 2205	Intermediate Concepts of Clinical Decision Making	2
RNSG 2213	Mental Health Nursing	2
RNSG 2461	Clinical IV	4
		19
	Semester IV	
RNSG 2130	Professional Nursing Review and Licensure Preparation	1
RNSG 2207	Transition to Nursing Practice	2
RNSG 2370	Complex Clinical Decision Making	3
RNSG 2560	Clinical V	5
		11
	TOTAL	**70**

[1]Select from the Humanities/Fine Arts section of the General Education Course List.

Associate of Applied Science in Nursing
Licensed Vocational Nurse to Associate Degree Nursing Option

	Prerequisite Courses	
BIOL 2401	Anatomy and Physiology I	4
+BIOL 2402	Anatomy and Physiology II	4
+BIOL 2421	Microbiology for Science Majors	4
+RNSG 1201	Pharmacology	2
		14
	Semester I	
PSYC 2301	Introduction to Psychology	3
+PSYC 2314	Lifespan Growth and Development	3
RNSG 1163	Clinical III	1
RNSG 1227	Transition from Vocational to Professional Nursing[2]	2
RNSG 2213	Mental Health Nursing	2
RNSG 2261	Clinical Transition Option[2]	2
RNSG 2400	Intermediate Concepts of Clinical Decision Making I	4
		17
	Awarded Credit[1]	
HPRS 1106	Essentials of Medical Terminology	1
RNSG 1108	Dosage Calculations for Nursing	1
RNSG 1162	Clinical I	1
RNSG 1200	Introductory Concepts of Clinical Decision Making	2
RNSG 1215	Health Assessment	2
RNSG 1513	Foundations for Nursing Practice	5
		12
	Semester II	
ENGL 1301	Composition and Rhetoric	3
RNSG 1412	Nursing Care of the Childbearing **and** Childbearing Family	4
RNSG 2205	Intermediate Concepts of Clinical Decision Making	2
RNSG 2461	Clinical IV	4
		13
	Semester III	
	Humanities/Fine Arts[2]	3
RNSG 2130	Professional Nursing Review **and** Licensure Preparation	1
RNSG 2207	Transition to Nursing Practice	2
RNSG 2370	Complex Clinical Decision Making	3
RNSG 2560	Clinical V	5
		14
	TOTAL	**70**

[1]After completion of RNSG 1227 and RNSG 2261, credit will be awarded for the courses listed below.
[2]Select from the Humanities/Fine Arts section of the General Education Course List.

Nursing - Vocational

Midland Program

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Dee Ann Decker *Program Director*	157c TC	686-4270
Faculty		
Paula Callo	157 TC	685-4787
Diana Jones	157 TC	685-6416
Sonya Morris	157 TC	685-6437
Norm Reeves	157 TC	685-5594

Ft. Stockton Program

Carla Hooker	*Coordinator*	WRTTC	432/336-7882
Norma Luna	*Faculty*	WRTTC	432/336-7882

Midland College offers Vocational Nursing Programs on the Midland Campus and through the Williams Regional Technical Training Center (WRTTC) in Ft. Stockton.

The Vocational Nursing Program is a one-year (12 month) program leading to a certificate. Satisfactory completion of the program qualifies the individual to apply to take the National Council Licensure Examination for Practical Nursing (NCLEX-PN) which in turn, allows the individual to become licensed to practice as a vocational nurse. The curriculum prepares the graduate to work in an acute or long term care facility, nursing agency or physician's office.

Requirements for graduation include completing all courses with a minimum grade of "C", taking the end of program achievement test and satisfying all college financial requirements. Requirements to write the licensure examination include written application, payment of fees, certification by program director and graduation from the program.

Special Admission Requirements: The Vocational Nursing programs have limited enrollments based on specific admission criteria. For information regarding the admission criteria, see the program brochure or program representatives. Students interested in one of these programs should contact either the Division Office in Midland or the WRTTC in Ft. Stockton to obtain additional information and/or acquire a certificate plan.

The following is the suggested sequence of courses for this degree. A + indicates a course with either a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed. Vocational Nursing (VNSG) courses must be taken according to the suggested sequence. Part-time students may require more than four semesters to complete their certificates.

Certificate in Vocational Nurse

Semester I

HPRS 1106	Essentials of Medical Terminology	1
HPRS 2200[1]	Pharmacology for Health Professions	2
RNSG 1108	Dosage Calculations for Nursing	1
VNSG 1126	Gerontology	1
VNSG 1136	Mental Health	1
VNSG 1304	Foundations of Nursing I	3
VNSG 1420[2]	Anatomy and Physiology for Allied Health	4
VNSG 1423	Basic Nursing Skills	4
		17

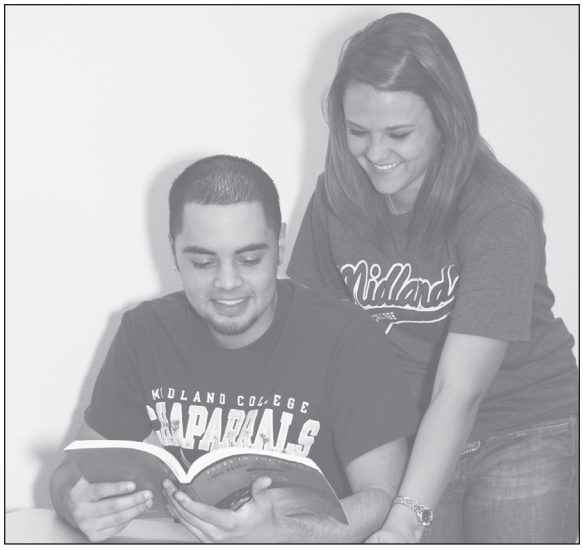
Semester II

VNSG 1238	Mental Illness2	
VNSG 1509	Nursing in Health and Illness II	5
VNSG 2431	Advanced Nursing Skills	4
VNSG 2460	Clinical I	4
		15

Semester III

VNSG 1219	Leadership and Professional Development	2
VNSG 1230	Maternal-Neonatal Nursing	2
VNSG 1234	Pediatrics	2
VNSG 2362	Clinical III	3
VNSG 2461	Clinical II	4
		13
	TOTAL	**45**

[1]RNSG 1201 may be substituted for this course.
[2]BIOL 2401 and BIOL 2402 may be substituted for this course.



Paralegal

Gavin Frantz *Dean*	142 TC	685-4657
Lisa Hain *Division Secretary*	142 TC	685-6447
Faculty		
Andree Rosen	116 TC	685-4660

For program information please call (432) 685-4657.

The Paralegal studies program prepares students for careers as assistants or aides in the legal profession. Upon completion of this curriculum, the paralegal graduate will qualify to work under the supervision of a lawyer. Specific areas of training include legal research and writing, case screening and evaluation, civil litigation, probate administration, office management, accounting, servicing and filing of legal documents, and preparation of legal forms.

Students have the option of either an Associate of Applied Science degree which consists of 61 semester credit hours and takes approximately two years to complete, or a Beginning Legal Technician Certificate which consists of 19 semester credit hours and takes approximately one year to complete. A graduate from an accredited college or university holding a baccalaureate degree may receive an AAS Degree upon successful completion of approximately thirty (30) semester hours of specialty courses and any appropriate leveling courses as determined by the Division Dean.

The following is the suggested sequence of courses for this degree and certificate. Please note that courses that require prerequisites are denoted by a plus sign (+) and those in bold are part of the approved general education curriculum. Courses with no prerequisite do not have to be taken in order, but the following general sequence should still be followed when possible. Part-time students may require more than four semesters to complete their degree.

Associate of Applied Science

Students seeking a technical degree in paralegal studies should follow this plan:

	Semester I	
GOVT 2301	Federal and State Government I	3
ENGL 1301	Composition and Rhetoric	3
ITSC 1409	Integrated Software Applications I **or**	4
+ITSW 1401	Introduction to Word Processing **or** both	
POFI 1204	Computer Fundamentals and	
POFT 1227	Introduction to Keyboarding	
LGLA 1311	Introduction to Law (Fall only)	3
LGLA 1345	Civil Litigation (Fall only)	3
		16
	Semester II	
GOVT 2302	Federal and State Government II	3
LGLA 1301	Legal Research and Writing (Spring only)	3
LGLA 1313	Introduction to Paralegal Studies (Spring only)	3
LGLA 1317	Law Office Technology (Spring only)	3
	Paralegal Studies Elective	3
		15
	Semester III	
LGLA 2331	Advanced Legal Research and Writing (Fall only)	3
	Accounting Elective	3-4
	Natural Science/Mathematics[1]	3-4
	Paralegal Studies Elective	3
	General Education Elective[2]	3
		15-17
	Semester IV	
BUSI 2301	Business Law I	3
LGLA 2305	Interviewing and Investigation (Spring only)	3
LGLA 2335	Advanced Civil Litigation (Spring only)	3
LGLA 2380	Cooperative Education Paralegal/Assistant **or**	
	Paralegal Studies Elective or	3
	Approved Substitute	3
		15
	TOTAL	**61-63**

[1]Select from the Natural Science/Mathematics section of the General Education Course List.
[2]Select from the General Education Course List.

Beginning Legal Technician Certificate

Students seeking a technical certificate in Paralegal studies should follow this plan:

	Semester I			Semester II	
ENGL 1301	Composition and Rhetoric	3	LGLA 1313	Introduction to Paralegal Studies (Spring only)	3
ITSC 1409	Integrated Software Applications I **or**	4			
+ITSW 1401	Introduction to Word Processing **or** both		LGLA 2380	Cooperative Education Paralegal/Assistant **or**	
POFI 1204	Computer Fundamentals and			Paralegal Studies elective	3
POFT 1227	Introduction to Keyboarding				**6**
LGLA 1311	Introduction to Law (Fall only)	3			
LGLA 1345	Civil Litigation (Fall only)	3			
		13		**TOTAL**	**19**

National Association of Legal Assistants (NALA)

In the semester prior to graduation, students become eligible to take the NALA Certified Legal Assistant Examination (CLA). Full-time students and/or those taking all legal assistant courses may qualify for student membership in national organizations and other professional paralegal associations.

Physics

Margaret Wade *Dean*	125 AHSF	685-4615
Norma Duran *Division Secretary*	124 AHSF	685-4612
Brenda Smith *Division Secretary*	124 AHSF	685-6413
Faculty		
Tom O'Hara	110 AHSF	685-4617

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates a course with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Science

Semester I		
+MATH 2413	Calculus I	4
ENGL 1301	Composition and Rhetoric	3
	U.S. History[1]	3
GOVT 2301	Federal and State Government I	3
	Fitness & Wellness[2]	1
		14
Semester II		
+MATH 2414	Calculus II	4
+ENGL 1302	Composition and Literature	3
	U.S. History[1]	3
GOVT 2302	Federal and State Government II	3
	Science or Math Elective	4
		17
Semester III		
+PHYS 2425	University Physics I	4
+MATH 2415	Calculus III	4
	Speech[3]	3
	Humanities[4]	3
		14
Semester IV		
+PHYS 2426	University Physics II	4
+MATH 2420	Differential Equations	4
	Other Social/Behavioral Sciences[5]	3
	Visual and Performing Arts[6]	3
	General Elective	3
		17
	TOTAL	**62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[3]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[6]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Professional Pilot

Curt Pervier	143 TC	685-4677
Dean		
L.C. Durham	140 TC	685-4668
Director		
Karen Harris	140 TC	685-4799
Program Coordinator		
Faculty		
Deon Christensen	160 TC	686-4821
David Miller	162 TC	685-4684
Craig Patterson	155 TC	685-5569
Midland Air Park (MAP)		684-9800

The Professional Pilot program prepares students for careers as airline pilots. Offered in alliance with regional airlines, the program curriculum is designed to train students for pilot licenses and ratings in the following: Private Pilot, Commercial Pilot, Instrument Rating, and Multi-Engine Rating. Specific areas of training include private and commercial flight training, air navigation, aviation meteorology, aerodynamics, aviation safety, and aircraft systems. Requirements for graduation include completing all courses with a minimum grade point of 3.0 and satisfying all college and independent contractors' financial obligations. Midland College offers an Associate of Applied Science Degree consisting of 68-70 semester credit hours and two certificate options each consisting of 15-16 semester credit hours (one to two semesters). Upon successful completion of the rigorous two-year Associate of Applied Science Degree curriculum, students will receive a recommendation for an interview with regional airlines. The program has specialized admission requirements due to Federal Aviation Regulations and cost of flight training. Students interested in this program should contact the Technical Studies Division for additional information and further explanation of admission requirements.

The following is the suggested sequence of courses for the following degree and certificates. A + indicates a course with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, AIRP 1345 does not have to be taken before AIRP 1307 since 1307 is not a prerequisite for 1345. Nevertheless, the general sequence should still be followed. Part-time students may require more than five semesters to complete their degrees or certificates.

Associate of Applied Science

	Semester I	
AIRP 1301	Air Navigation I (VFR)	3
AIRP 1307	Aviation Meteorology	3
AIRP 1315	Private Pilot Flight Training	3
AIRP 1317	Private Pilot Ground School	3
		12
	Semester II	
AIRP 1341	Advanced Air Navigation	3
AIRP 1345	Aviation Safety	3
AIRP 1451	Instrument Ground School	4
AIRP 2350	Instrument Flight	3
		13
	Semester III	
AIRP 1343	Aerodynamics	3
AIRP 1355	Intermediate Flight Training	3
AIRP 2333	Aircraft Systems	3
	Social/Behavioral Sciences[1]	3
	Speech[2]	3
		15
	Semester IV	
AVIM 1301	Introduction to Aviation Mg	3
AIRP 2339	Commercial Flight	3
AIRP 2337	Commercial Pilot Ground School	3
	Humanities/Fine Arts[3]	3
	General Education Elective[4]	3-4
		15-16
	Semester V	
AIRP 1172	Interview Preparation	1
AIRP 2335	ATP Ground School	3
AIRP 2351	Multi-Engine Flight	3
AIRP 2357	Turbine Aircraft Systems	3
	Natural Science/Mathematics[5]	3-4
		13-14
	TOTAL	**68-70**

[1]Select from the Social/Behavioral Sciences section of the General Education Course List.
[2]Select a Speech (SPCH) course from Humanities/Fine Arts section of the General Education Course List
[3]Select from the Humanities/Fine Arts section of the General Education Course List.
[4]Select from the General Education Course List.
[5]Select from the Natural Sciences/Mathematics section of the General Education Course List.

Private Pilot Certificate

	Semester I	
AIRP 1301	Air Navigation I (VFR)	3
AIRP 1307	Aviation Meteorology	3
AIRP 1315	Private Pilot Flight Training	3
AIRP 1317	Private Pilot Ground School	3
AIRP 1345	Aviation Safety	3
	TOTAL	**15**

Professional Airline Certificate

	Semester I	
AIRP 1172	Interview Preparation	1
AIRP 2335	Airline Transport Pilot Ground School	3
AIRP 2333	Aircraft Systems	3
AIRP 2351	Multi-Engine Flight	3
AIRP 2357	Turbine Aircraft Systems	3
SPCH 1318	Interpersonal Communication	3
	TOTAL	**16**

Psychology

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
David Edens	158 MHAB	685-6814
Donna Thompson	173 MHAB	685-6827
Andrea Zabel	172 MHAB	685-6826

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
PSYC 2301	Introduction to Psychology	3
	U.S. History[1]	3
BIOL 1406	Biology for Science Majors I	4
	Fitness and Wellness[2]	1
		14
	Semester II	
+ENGL 1302	Composition and Literature	3
	Psychology elective	3
	U.S. History[1]	3
+BIOL 1407	Biology for Science Majors II	4
+MATH 1314	College Algebra	3
		16
	Semester III	
GOVT 2301	Federal and State Government I	3
	Other Social/Behavioral Science3	3
	Humanities[4]	3
	Modern Language **or** General Elective[5]	3-4
SOC 1301	Introduction to Sociology	3
		15-16
	Semester IV	
GOVT 2302	Federal and State Government II	3
PSYC	Psychology Elective	3
	Visual and Performing Arts[6]	3
	Modern Language **or** General Elective[5]	3-4
	Speech[7]	3
		15-16
	TOTAL	**60-62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[3]Select from the Other Social and Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[4]Select from the Humanities section of the Core Curriculum Course List.
[5]Select a Modern Language for the AA degree or a General Elective for the AS degree.
[6]Select from the Visual and Performing Arts section of the Core curriculum Course List.
[7]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

Radiography

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Tori Schaneman *Interim Clinical Director*	208 DFHS	685-4592

Midland College offers a two-year Radiography program leading to the degree of associate of applied science. Radiographers operate x-ray machines in the diagnosis of disease, and may go on to specialize in CT scanning, MRI or other related fields. Satisfactory completion of the program qualifies the graduate to take the certifying examination of the American Registry of Radiologic Technologists and to apply for MRT certification by the Texas Department of State Health Services. This course is accredited by the Joint Review Committee on Education in Radiology Technology. A balanced curriculum combines classroom and laboratory instruction with supervised practicums at local medical imaging centers. The mission of the Midland College Radiography Program is to provide for both the professional career development and the personal development of each student in the field of Radiography. A class is admitted each fall. Accepted students must take all radiography courses in sequential order and must maintain a minimum grade of "C" in all radiography courses to complete the program.

The degree and certificates in this field offered by Midland College and the courses needed to achieve these credentials are presented in the following sections. Students interested in this program should contact the Division office to obtain additional information and/or acquire a degree or certificate plan.

Special Admission Requirements: The Midland College Radiography Program has limited enrollment based on specific admission criteria. For information regarding the admission criteria, attend a Radiography program orientation. Orientations are held on a regular basis. Call for information regarding the scheduled sessions. Information is also available in the program brochure from the Health Sciences Division office and outlined on the departmental web page at www.midland.edu/academics/courses/radiography. Applicants are encouraged (but not required) to complete support courses such as Anatomy and Physiology prior to enrolling in the program.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed. Radiography (RADR) courses must be taken according to the suggested sequence. Part-time students may require more than four semesters to complete their degrees.

Radiography Program Goals

1. Students will demonstrate competencies in radiographic procedures and patient care.
2. Students will demonstrate effective communication skills.
3. Students will demonstrate critical thinking and problem-solving skills.
4. Upon graduation, students will pass the ARRT examination, be able to obtain employment in radiography, and meet the needs of the radiography community.
5. Students will understand the importance of professional growth and development.

Associate of Applied Science in Radiography

	Semester I	
BIOL 2401	Anatomy and Physiology I	4
ENGL 1301	Composition and Rhetoric	3
HPRS 1106	Essentials of Medical Terminology	1
RADR 1260	Clinical I	2
RADR 1409	Introduction to Radiology **and** Patient Care	4
RADR 1411	Basic Radiographic Procedures	4
		18
	Semester II	
+BIOL 2401	Anatomy and Physiology II	4
	Humanities/Fine Arts[1]	3
+RADR 1360	Clinical II	3
+RADR 1371	Basic Imaging Physics	3
+RADR 2401	Intermediate Radiographic Procedures	4
		17
	Semester III	
+RADR 1261	Clinical III	2
RADR 1313	Principles of Radiographic Imaging I	3
+RADR 2331	Advanced Radiographic Procedures	3
		8
	Semester IV	
	Social/Behavioral Sciences[2]	3
RADR 2117	Radiographic Pathology	1
+RADR 2205	Principles of Radiographic Imaging II	2
+RADR 2266	Practicum I	2
RADR 2336	Special Patient Applications	3
		11
	Semester V	
RADR 2209	Radiographic Imaging Equipment	2
RADR 2233	Advanced Medical Imaging	2
+RADR 2267	Practicum II	2
RADR 2313	Radiation Biology and Protection	3
		9
	Semester VI	
+RADR 2166	Practicum III	1
RADR 2335	Radiologic Technology Seminar	3
		4
	TOTAL	**67**

[1]Select from the Humanities/Fine Arts section of the General Education Course List.
[2]Select from the Social/Behavioral Sciences section of the General Education Course List.

Respiratory Care

Becky Hammack *Dean*	209a DFHS	685-4600
Kay Floyd *Division Secretary*	209b DFHS	685-4600
Robert Weidmann *Program Director*	A34 AMS	685-5549
Stan Middleton *Clinical Director*	A31 AMS	685-5570

Respiratory care is an allied health specialty employed in the diagnostic and therapeutic management of patients with respiratory system abnormalities. The program is designed to provide the necessary education required for a thorough understanding and proficiency in all aspects of respiratory care. New classes begin each Fall and courses must be taken sequentially for progression in the program. Applicants are strongly encouraged to complete as many non-respiratory courses as possible prior to entering the program. Specific admission criteria are listed in the brochure, or call the Health Sciences Division for information. The student must achieve a minimum grade of "C'' in all Respiratory and Biology courses, a cumulative grade point average of 2.0 and pass a written and/or clinical simulation final exit exam to be eligible for graduation. Clinicals will be scheduled with Midland/Odessa health care facilities and others as available. The Midland College Respiratory Care Program is accredited by the Committee on Accreditation for Respiratory Care (CoARC). Respiratory Care students satisfactorily completing the program will receive an Associate of Applied Science (A.A.S.) degree. These students will be eligible for the Certified Respiratory Therapist (CRT) Entry-Level Exam, which after successful completion will allow the graduate to sit for the Registered Respiratory Therapist/Advanced Practitioner (RRT) exam.

The degree in this field offered by Midland College and the courses needed to achieve this credential are presented in the following sections. Students interested in this program should contact the Division office to obtain additional information and/or acquire a degree.

Special Admission Requirements: The Midland College Respiratory Care Program has a limited enrollment based on specific admission criteria. For information regarding the admission criteria, see the program brochure. Each prospective student will be counseled by either the program director or the clinical director as scheduled through the Health Sciences Division Office.

The following is the suggested sequence of courses for this degree. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. Nevertheless, the general sequence should still be followed Respiratory Care (RSPT) courses must be taken according to the suggested sequence. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science in Respiratory Care

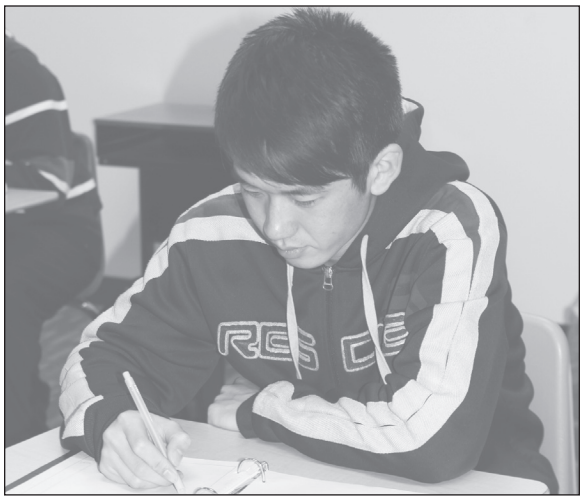
	Prerequisite Courses	
BIOL 2401	Anatomy and Physiology I	4
+BIOL 2402	Anatomy and Physiology II	4
		8
	Semester I	
RSPT 1260	Clinical I	2
RSPT 1307	Cardiopulmonary Anatomy and Physiology	3
RSPT 1410	Respiratory Care Procedures I	4
RSPT 1425	Respiratory Care Sciences	4
		13
	Semester II	
HPRS 1106	Essentials of Medical Terminology	1
RSPT 1213	Basic Respiratory Care Pharmacology	2
+RSPT 1360	Clinical II	3
+RSPT 1411	Respiratory Care Procedures II	4
RSPT 2310	Cardiopulmonary Disease	3
		13
	Semester III	
+RSPT 1160	Clinical III	1
RSPT 2305	Pulmonary Diagnostics	3
		4
	Semester IV	
RSPT 1141	Respiratory Home Care/Rehabilitation	1
+RSPT 1161	Clinical IV	1
RSPT 2135	Pediatric Advanced Life Support	1
RSPT 2353	Neonatal/Pediatric Cardiopulmonary Care	3
		6
	Semester V	
+BIOL 2421	**Microbiology for Science Majors**	**4**
	Humanities/Fine Arts[1]	3
RSPT 2139	Advanced Cardiac Life Support	1
RSPT 2255	Critical Care Monitoring	2
+RSPT 2360	Clinical V	3
		13
	Semester VI	
ENGL 1301	Composition and Rhetoric	3
	Social/Behavioral Sciences2	3
RSPT 2130	Respiratory Care Examination Preparation	1
RSPT 2247	Specialties in Respiratory Care	2
+RSPT 2361	Clinical VI	3
		14
	TOTAL	**69**

[1]Select from the Humanities/Fine Arts section of the General Education Course List.
[2]Select from the Social/Behavioral Sciences section of the General Education Course List.

Respiratory Care Technical Standards

Respiratory Care students/practitioners are expected to master the following technical standards of the profession:

- utilize both visual and auditory monitoring equipment safely and effectively;
- assess and record changes in patient status using visual, auditory, and tactile senses;
- troubleshoot patient/equipment systems;
- effectively and appropriately communicate and relate with patients, their families, and members of the health care team using oral and/or written means;
- possess strength and mobility sufficient to support and transport patients as well as equipment;
- perform Respiratory Care procedures while wearing personal protective equipment (mask, gown, gloves, etc.);
- safely and effectively prioritize workload;
- perform CPR (bag/mask ventilation, chest compressions); and
- utilize intellectual ability to adapt to changing patients' conditions.



Social Science

William Morris *Dean*	154 MHAB	685-6810
Monica Sosa *Division Secretary*	153 MHAB	685-6809
Faculty		
Fernando Lee Almaguer	169 MHAB	685-6823
Simon Cornell	167 MHAB	685-6821
Frank De La O	156 MHAB	685-6812
Terry Gilmour	160 MHAB	685-6816
Janet Groth	WRTTC	(432) 336-7882
Todd Houck	170 MHAB	685-6824
Damon Kennedy	157 MHAB	685-6813
Paula Marshall-Gray	155 MHAB	685-6811
Sondra Richards	159 MHAB	685-6815
Jaclyn Woolf	166 MHAB	685-6820

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
	Speech[1]	3
	U.S. History[2]	3
	Natural Sciences[3]	4
	Fitness and Wellness[4]	1
		14

	Semester II	
+ENGL 1302	Composition and Literature	3
	Other Social/Behavioral Sciences[5]	3
	U.S. History[2]	3
	Natural Sciences[3]	4
	General Elective	3
		16

	Semester III	
GOVT 2301	Federal and State Government I	3
	History, Government, Economics, **or** Geography Elective	3
	Humanities[6]	3
	Modern Language **or** General Elective[7]	3-4
	Mathematics[8]	3
		15-16

	Semester IV	
GOVT 2302	Federal and State Government II	3
	General Elective	3
	Visual and Performing Arts[9]	3
	Modern Language **or** General Elective[7]	3-4
	General Elective	3
		15-16

TOTAL **60-62**

[1]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[2]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[3]Select from the Natural Sciences section of the Core Curriculum course List.
[4]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[5]Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List. Geography World Regional is recommended.
[6]Select from the Humanities section of the Core Curriculum Course List.
[7]Select a Modern Language for the AA degree or a General Elective for the AS degree.
[8]Select from the Mathematics section of the Core Curriculum Course List.
[9]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Sociology

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
David Edens	158 MHAB	685-6814
Mike Schneider	171 MHAB	685-6825

The program below is suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for these degrees. A + indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, GOVT 2301 does not have to be taken before GOVT 2302 since 2301 is not a prerequisite for 2302. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Arts or Associate of Science

	Semester I	
ENGL 1301	Composition and Rhetoric	3
SOCI 1301	Introduction to Sociology	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Fitness and Wellness[3]	1
		14

	Semester II	
+ENGL 1302	Composition and Literature	3
	Social Science Elective	3
	U.S. History[1]	3
	Natural Sciences[2]	4
	Speech[4]	3
		16

	Semester III	
SOCI 1306	Social Problems	3
GOVT 2301	Federal and State Government I	3
	Humanities[5]	3
	Modern Language **or** General Elective[6]	3-4
	Mathematics[7]	3
		15-16

	Semester IV	
	Sociology Elective	3
GOVT 2302	Federal and State Government II	3
	Visual and Performing Arts[8]	3
	Modern Language **or** General Elective	3-4
	General Elective	3
		15-16

TOTAL	**60-62**

[1]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[2]Select from the Natural Sciences section of the Core Curriculum Course List.
[3]Select from the Fitness and Wellness section of the Core Curriculum Course List.
[4]Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.
[5]Select from the Humanities section of the Core Curriculum Course List.
[6]Select a Modern Language for the AA degree or a General Elective for the AS degree.
[7]Select from the Mathematics section of the Core Curriculum Course List.
[8]Select from the Visual and Performing Arts section of the Core Curriculum Course List.

Sonography (see Diagnostic Medical Sonography)

Speech

William G. Feeler	137 AFA	685-4626
Dean		
Lula Lee	141 AFA	685-4624
Division Secretary		
Faculty		
Katherine Allen	127 AFA	685-6409
Tyler Tindall	125 AFA	685-4637
Joe Willis	140b AFA	685-6700

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates a course with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

Associate of Arts

	Semester I	
	Speech[1]	3
ENGL 1301	Composition and Rhetoric	3
	U.S. History[2]	3
	Natural Sciences[3]	4
	Visual and Performing Arts[4]	3
		16

	Semester II	
	Speech[1]	3
+ENGL 1302	Composition and Literature	3
MATH 1314	College Algebra	3
	U.S. History[2]	3
	Natural Sciences[3]	4
		16

	Semester III	
	Speech[1]	6
	Modern & Classical Languages	3-4
GOVT 2301	Federal and State Government I	3
	English Literature[5]	3
		15-16

	Semester IV	
	Speech[1]	3
	Modern & Classical Languages	3-4
GOVT 2302	Federal and State Government II	3
	Other Social/Behavioral Sciences[6]	3
KINE[2]		1
		13-14

TOTAL **60**

[1]Select from SPCH 1311, 1315, 1318, 1321, 2301, 2333, and 2341.
[2]Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.
[3]Select from the Natural Sciences portion of the Core Curriculum Course List.
[4]Select from the Visual and Performing Arts section of the Core Curriculum Course List.
[5]Select an English Literature course from the Humanities section of the Core Curriculum Course List.
[6]Select from the Other Social/Behavioral Sciences portion of the Core Curriculum Course List.

Veterinary Technology

Margaret Wade *Dean*	125 AHSF	685-4615
Brenda Smith	124 AHSF	685-6413
Norma Duran *Division Secretary*	124 AHSF	685-4612
Kerry Coombs *Program Director*	190 TC	685-4619
Missy Shenkman *Clinical Director*	188 TC	685-6496
Lynn Robbins *Clinical Director*	188a TC	685-4753

The Veterinary Technology Program is designed to provide the theory and practice to become registered as a Veterinary Technician by the Texas Veterinary Medical Association The program is accredited by the American Veterinary Medical Association. A veterinary technician is knowledgeable in the care and handling of animals, in basic principles of normal and abnormal physiology, and in routine laboratory and clinical procedures. During the two years of study, students will acquire sufficient theoretical skills and knowledge to enable them to perform in practicums acquiring "hands on'' experience. Students must be a graduate of the program to be eligible to apply to take the Registration Exam.

If circumstances require, with written approval and the guidance of the Program Director, a student may extend the time needed to complete the Program. With the approval of the Program Director, a student may enroll on a part-time student basis.

The degree in this field offered by Midland College and the courses needed to achieve this credential are presented in the following sections. The student must achieve a minimum grade of "C" in all Veterinary Technology, Chemistry and Biology courses, and achieve a cumulative grade point average of 2.0. Students interested in this program should contact the Program Director or Division office to obtain additional information and/or acquire a degree plan.

Special Admission Requirements:

1. proof of high school graduation or GED completion
2. a completed VTHT application form for admission to the Veterinary Technology Program
3. personal interview with Program or Clinical Director
4. successful completion of THEA requirements, Minimum score of 220 in writing, 230 in reading and 230 in math on THEA or completing the appropriate developmental sequence with a grade of "C" or greater
5. recommended observation at a veterinary clinic for thirty-two hours

The following is the suggested sequence of courses for these degrees. A "+" indicates courses with a prerequisite or a co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, VTHT 1205 does not have to be taken before VTHT 1225 since 1205 is not a prerequisite for 1225. Nevertheless, the general sequence should still be followed. Part-time students may take more than four semesters to complete the degree.

Associate of Applied Science for Veterinary Technology

	Semester I	
CHEM 1405	Introductory Chemistry	4
ENGL 1301	Composition and Rhetoric	3
VTHT 1301	Introduction to Veterinary Technology	3
VTHT 1317	Veterinary Office Management	3
VTHT 2213	Lab Animal Clinical Management	2
VTHT 1160	Clinical I - Veterinary Technician	1
		18
	Semester II	
+VTHT 1413	Veterinary Anatomy and Physiology	4
+VTHT 2325	Large Animal Assisting Techniques	3
+VTHT 2201	Canine and Feline Clinical Management	2
+VTHT 2421	Veterinary Parasitology	4
+VTHT 1161	Clinical II - Veterinary Technician	1
		16
	Summer	
BIOL 2421	Microbiology	4
	TOTAL	**4**

	Semester III	
+VTHT 2323	Veterinary Clinical Pathology	3
+VTHT 1345	Veterinary Radiology	3
+VTHT 1349	Veterinary Pharmacology	3
+VTHT 2435	Advanced Veterinary Anatomy & Physiology	4
VTHT 1209	Veterinary Nutrition	2
+VTHT 2160	Clinical III - Veterinary Technician	1
		16
	Semester IV	
PSYC 2301	Introduction to Psychology	3
	Humanities/Fine Arts[2]	3
+VTHT 1441	Anesthesia and Surgical Assistance	4
+VTHT 2439	Veterinary Nursing Care	4
+VTHT 2161	Clinical IV - Veterinary Technician	1
		15
	Summer	
VTHT 2366	Practicum	3
	TOTAL	**72**

(May offer other classes during Summer)

[2]Select from the Humanities section of the Core Curriculum Course List.

Welding Technology

Curt Pervier	143 TC	685-4677
Dean		
Fonda Bowen		
Division Secretary	143 TC	685-4676
Faculty		
Lynn Bryant	ATC	697-5863 ext. 3647
Dan Ledbetter	185 TC	685-4681

The Welding program prepares students for careers in welding fabrication, welding manufacturing, and/or welding repair. The curriculum is designed to develop skills, attitudes, and competencies in welding processes including oxy-fuel welding and cutting, gas metal arc welding, gas tungsten arc welding, and shielded metal arc welding. In addition, students will receive training in welding safety, blueprint reading, metallurgy, and layout and fabrication. An Associate of Applied Science Degree and three certificate options are available. The Associate of Applied Science Degree consists of 64-65 semester credit hours and takes approximately two years to complete. Each certificate consists of 18-21 semester credit hours and takes approximately one year to complete. To receive a Welding Technology certificate, students must maintain a 2.5 grade point average. Students interested in this program should contact the Technical Studies Division office to obtain additional information and/or acquire a degree or certificate plan.

The following is the suggested sequence of courses for the following degree and certificates. A + indicates courses which have a prerequisite or co-requisite. However, courses that do not have a prerequisite do not have to be taken in order. For example, WLDG 1521 does not have to be taken before WLDG 1553 since 1521 is not a prerequisite for 1553. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degrees.

Associate of Applied Science

	Semester I	
WLDG 1521	Intro. to Welding Fundamentals	5
+WLDG 1557	Intermediate Shielded Metal Arc Welding (SMAW)	5
MCHN 1320	Precision Tools and Measurement	3
ENGL 1301	Composition and Rhetoric	3
		16
	Semester II	
WLDG 1553	Intermediate Layout & Fabrication	5
+WLDG 1530	Intro. to Gas Metal Arc Welding (GMAW) **or**	5
+WLDG 1534	Intro. to Gas Tungsten Arc Welding (GTAW)	
OSHT 1301	Intro. to Safety & Health (WEB)	3
	Speech[1]	3
		16
	Semester III	
+WLDG 2543	Advanced Shielded Metal Arc Welding	5
+WLDG 1530	Intro. to Gas Metal Arc Welding **or**	5
+WLDG 1534	Intro. to Gas Tungsten Arc Welding	
DFTG 1305	Technical Drafting	3
	Natural Science/Mathematics[2]	3-4
		16-17
	Semester IV	
+WLDG 2547	Advanced Gas Metal Arc Welding **or**	5
+WLDG 2551	Advanced Gas Tungsten Arc Welding	
+WLDG 2506	Intermediate Pipe Welding	5
	Humanities/Fine Arts[3]	3
	Social/Behavioral Sciences[4]	3
		16
	TOTAL	**64-65**

[1]Select Speech (SPCH) course from the Humanities/Fine Arts section of the General Education Course List
[2]Select from the Natural Science/Mathematics section of the General Education Course List.
[3]Select form the Humanities/Fine Arts section of the General Education Course List.
[4]Select from the Social/Behavioral Sciences section of the General Education Course List.

Basic Certificate in Welding Technology

Semester I			Semester II		
WLDG 1521	Intro. to Welding Fundamentals	5	+WLDG 1525	Introduction to Oxy-Fuel Welding	5
+WLDG 1557	Intermediate Shielded Metal Arc Weld (SMAW)	5	MCHN 1320	Precision Tools and Measurement	3
OSHT 1301	Intro. To Safety & Health (WEB)	3			8
		13		**TOTAL**	**21**

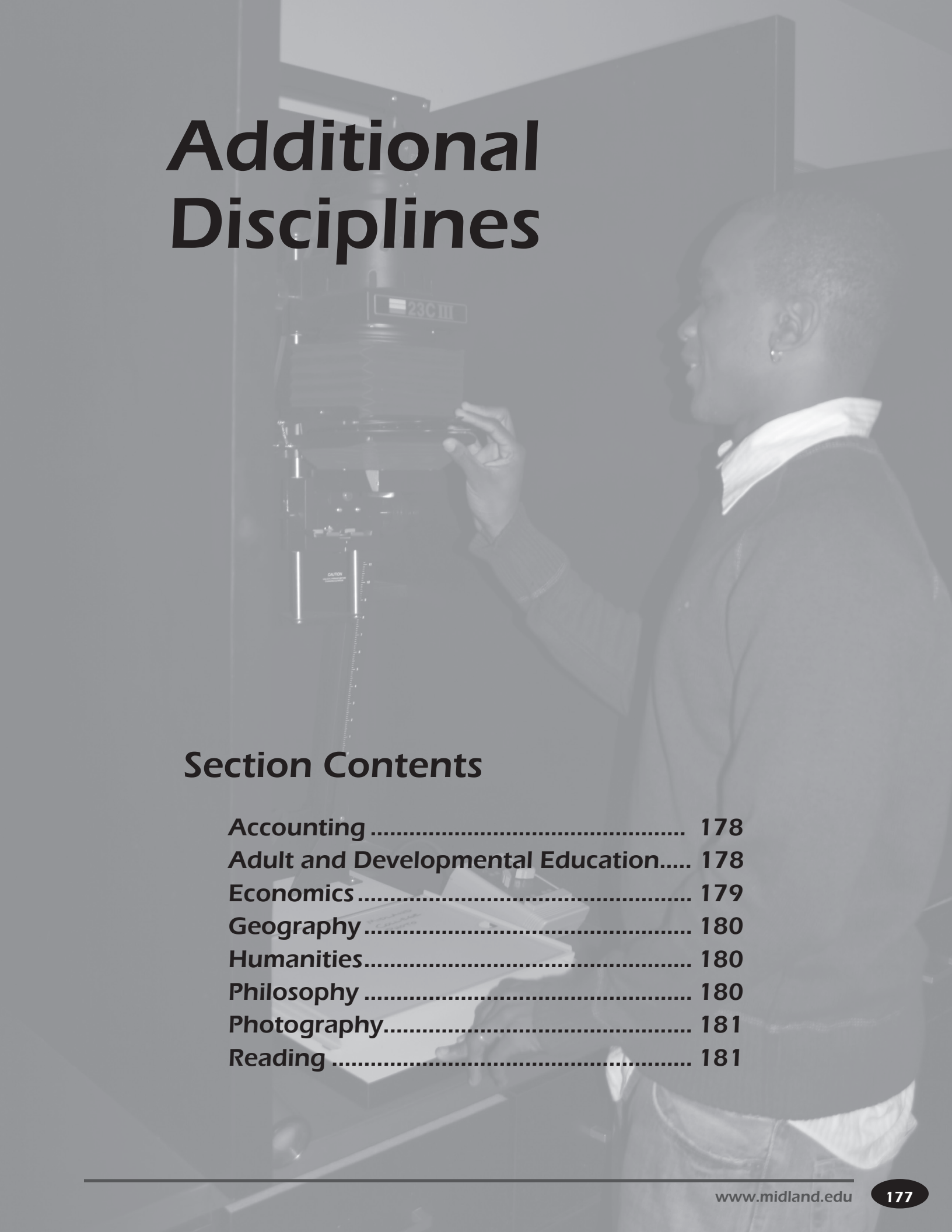
Intermediate Certificate in Welding Technology

Semester I			Semester II		
+WLDG 1530	Introduction to Gas Metal Arc Welding	5	WLDG 1553	Intermediate-Layout & Fabrication	5
+WLDG 1534	Introduction to Gas Tungsten Arc Welding	5	+WLDG 2543	Advanced Shielded Metal Arc Welding	3
		10			8
				TOTAL	**18**

Advanced Certificate in Welding Technology

Semester I			Semester II		
+WLDG 2506	Intermediate Pipe Welding	5	+WLDG 2535	Advanced Layout & Fabrication	5
+WLDG 2553	Advanced Pipe Welding	5	+WLDG 2547	Advanced Shielded Metal Arc Welding	
		10		**or**	
			+WLDG 2551	Advanced Gas Tungsten Arc Welding	5
					10
				TOTAL	**20**

Additional Disciplines



Section Contents

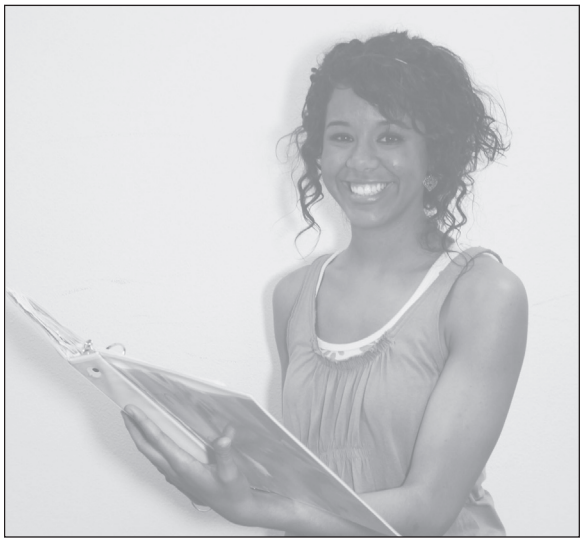
Accounting

Gavin Frantz	142 TC	685-4657
Dean		
Lisa Hain	142 TC	685-6447
Division Secretary		
Faculty		
Dale Westfall	158 TC	685-4658
Lab Instructor		
Glenda Upchurch	168 TC	686-4208

For program information please call (432) 685-4657.

Accounting courses help prepare students for careers in the field of accounting and business. The curriculum is designed to develop several skills, attitudes, and competencies necessary for careers as entry-level accounting assistants in business, industry, and government.

Specific areas of training include accounting theory, practice, and other related business administration activities. While Midland College does not currently award degrees or certificates in accounting, several courses are offered as part of other programs such as Business Administration, Business Systems, Information Technology, and Organizational Management. Students interested in accounting should contact the Business Studies Division office to obtain additional information.



Adult and Developmental Education

Lynda Webb	206A HLGC Annex	685-6884
Dean of Adult and Developmenta Educaion		
Mindy Flowers	205A HLGC Annex	685-6885
Title V Instructional Designer		
Adult Basic Education Director		
Peggy Wood	183 TC	685-4667
Professor ESL/Reading/Writing/ and Student Success		
Faculty		
Margie Carrillo	117 MHAB	685-6801
Gena Nicholson	119 MHAB	685-6803
Connie Sanchez	121 MHAB	685-6804
Karen Vest	116 MHAB	685-6800

Aduly and Developmental Provides courses and instructional support services designed to strengthen the basic skills for students to achieve academic success in English language proficience, success in passing the GED, and transitioning into college coursework.

Computer Assisted Instruction: Developmental Studies provides mulit-level, computer-based instruction to stregthen basic skills in a variety of areas. Instruction is customized to meet the individual needs of each student. For more information, contact Lorena Perez at 685-6819.

Adult Basic Education

The Development of Adult Basic Education(ABE) offers a variety of programs to help adults increase their academic and workforce skills. Students are provided with the opportunity to improve their skills in reading. math, science, social studies, language arts, and English. There are no fees for any ABE program. A registration class is required before students enter the instructional classes. Individuals must be at least 17 years of age to enroll. Call the ABE Department at (432) 685-6819 for registration procedures and documentation requirements.

Economics

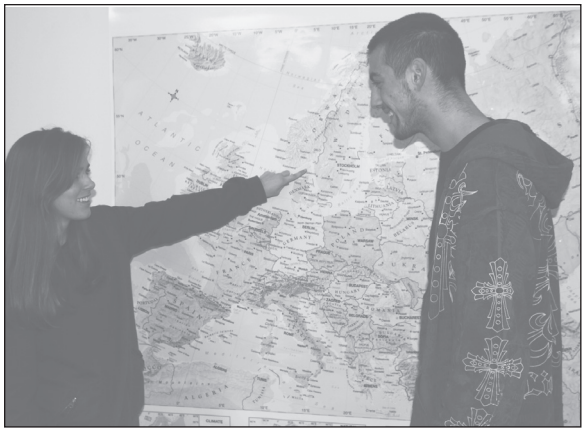
Gavin Frantz	142 TC	685-4657
Dean		
Lisa Hain	142 TC	685-6447
Division Secretary		
Faculty		
Doug Avery	197 TC	685-4689
Omar Belazi	154 TC	685-4656
Janet Groth	WRTTC	(432) 336-7882 ext. 113

For program information please call (432) 685-4657.

Economics courses provide students with an understanding of macroeconomic and microeconomic theory. Curriculum is designed to prepare students with knowledge of the U.S. economy and economic operations of individual firms and industries. Courses are intended to be taken by those students pursuing Midland College Associate degrees, the Bachelor of Applied Technology degree, and those wishing to transfer to other colleges and universities.

Courses offered:

ECON 2301 Principles of Macroeconomics
ECON 2302 Principles of Microeconomics



Geography

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		
Faculty		
Michael Makowsky	174 MHAB	685-6828

Geography courses are suggested for students studying in the social sciences and especially planning to become social studies teachers. They are also an option in the Social Science area of the Core Curriculum.

Humanities

William G. Feeler	137 AFA	685-4626
William Morris	154 MHAB	685-6810
Deans		
Lula Lee	141 AFA	685-4624
Monica Sosa	153 MHAB	685-6809
Division Secretaries		
Faculty		
Russell Goodyear	125 AHSF	685-4607
Laura McKenzie	WRTTC	336-7882 ext. 111

Midland College Humanities courses are designed to provide students with a culturally rich experience in the study of a wide range of subjects that enhance the intellect and aesthetic experience of humans: the history of human study and exploration, philosophy, religion, history, literature, music, and the arts and sciences. HUMA 1301 and HUMA 1302 are core options in the area of Humanities. The Humanities courses are a key element of the Honors program as well.

Philosophy

William Morris	154 MHAB	685-6810
Dean		
Monica Sosa	153 MHAB	685-6809
Division Secretary		

Philosophy courses are surveys of humanity's attempt to answer the questions of where do we come from, how we should live, and where we are going. They also help develop rational thought and critical thinking. PHIL 1301, 2303, and 2306 are also options in the Humanities area of the Core Curriculum.

Photography (see Communication or Arts)

William G. Feeler *Dean*	137 AFA	685-4626
Lula Lee *Division Secretary*	141 AFA	685-4624
Faculty		
Kent Moss	195 AFA	685-4654

Photography courses at Midland College offer experiences for students from introductory through advanced levels. Photography credit may be applied to majors in art, communication, or chosen as electives. Many of our photographers are simply enthusiasts who pursue the medium for personal pleasure. All four black and white courses include darkroom time. Each student will have the ability to produce photographs from subjects they shoot and the opportunity to submit images for publication in our newspaper, magazines, and student shows. Photography courses are offered through either the Communication Department or the Art Department.

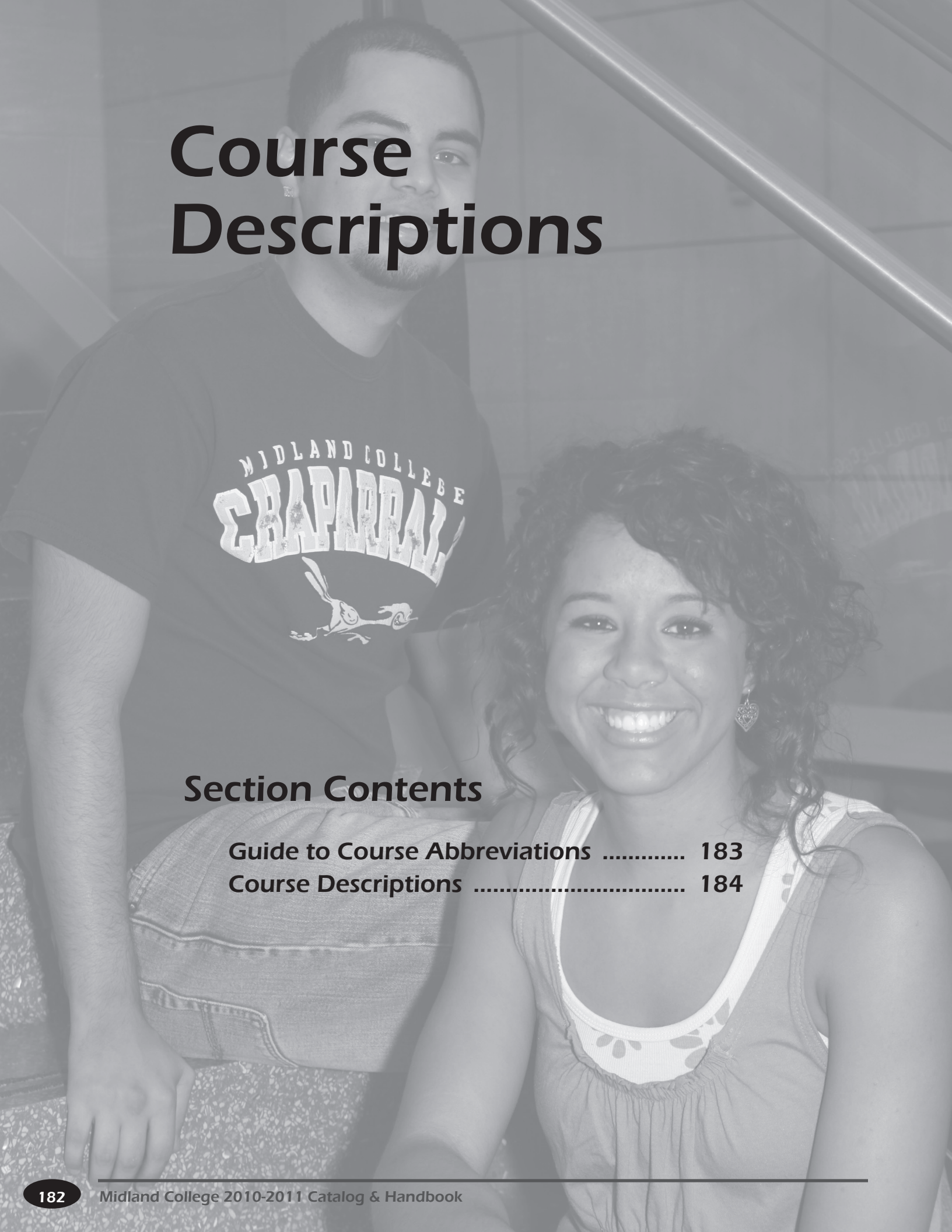
Reading

William G. Feeler *Dean*	137 AFA	685-4626
Lula Lee *Division Secretary*	141 AFA	685-4624

Midland College Reading courses are designed to provide learning opportunities of several kinds:

- developmental instruction for those who need to do compensatory work in order to reach reading competence in compliance with the Texas Success Initiative;
- work in comprehension, vocabulary, and reading rate for students wishing to enhance their college reading, writing, and studying abilities; and
- work to enhance comprehension, vocabulary, and reading rates in a specified area of study or major.

Course Descriptions



Section Contents

Guide to Course Abbreviations

College-level Credit Courses

Courses numbered 1100-4399 are college-level credit courses. A credit course is a part of an approved educational program or major. The credit awarded by Midland College for completion of most courses is accepted as a completion of a portion of an appropriate educational sequence leading to a Certificate, Associate Degree, or Baccalaureate Degree. The second number in the four-digit sequence represents the number of semester credit hours (SCH) awarded for a particular course. For example, COMM 1307 is a 3 semester credit hour course in Communication, and ACNT 2401 is a 4 semester credit hour course in Accounting.

Developmental Education Courses

Courses numbered 0100-0399 are offered for credit but do not count toward completion of a program or major. These are designed for students who score lower than college-level on English, Math, and Reading placement exams. For each student who fails to meet passing standards on placement exams, Midland College has established a program to advise the student and determine a plan regarding the sequence of development education courses necessary to assure the readiness of that student in performing freshman-level academic course work.

Key to Course Codes

Some subjects may have more than one course code.

SUBJECT	COURSE CODE(S)
Accounting	ACCT, ACNT
Adult and Developmental Education	ABE, DVLP, MATH, SSP
Agriculture	AGRI
Air Conditioning, Heating and Refrigeration Technology	OSHT, HART
Alcohol & Drug Abuse Counseling	DAAC, PSTY
Anthropology	ANTH
Arts	ARTS
Automotive Technology	OSHT, MCHN, AUMT, DEMR, VHPA
Aviation Maintenance Technology	AERM, TECM
Biology	BIOL
Business Administration	BMGT, BUSA, BUSG, BUSI, MRKG
Business Systems	ITSW, POFI, POFM, POFT
Chemistry	CHEM
Chemistry Technology	CTEC
Child Care and Development	CDEC, TECA
Communication	COMM
Computer Graphics Technology	ARTC, ARTV, DFTG, GRPH, MCHN
Cosmetology	CSME
Criminal Justice/Law Enforcement	CJLE, CJSA, CRIJ
Diagnostic Medical Sonography	DMSO
Diesel Technology	DEMR
Drama	DRAM
Economics	ECON
Education	EDUC
Emergency Medical Services	EMSP, HMSY
Energy Technology	PTRT, WIND
English	ENGL
English Second Language	ESL
Fire Science Technology	EMAP, FIRS, FIRT
Geography	GEOG
Geology	GEOL
Government/Political Science	GOVT
Health Information Technology	HITT
Health Sciences	HPRS, SCIT
History	HIST
Humanities	HUMA
Information Technology	BCIS, CETT, COSC, CPMT, EEIR, ELMT GAME, IMED, ITCC, ITNW, ITSC, ITSE, ITSY
Kinesiology/Physical Education	KINE
Paralegal Studies	LGLA
Long Term Care Administration	LTCA
Mathematics	MATH
Modern & Classical Languages: American Sign Language	SGNL
Modern & Classical Languages: French	FREN
Modern & Classical Languages: German	GERM
Modern & Classical Languages: Latin	LATI
Modern & Classical Languages: Spanish	SPAN
Music	MUSI, MUAP, MUEN
Nursing - Associate Degree	RNSG
Nursing - Vocational	VNSG
Organizational Management (Upper Division courses)	TMGT
Philosophy	PHIL
Physics	ENGR, PHYS
Professional Pilot	AIRP, AVIM
Psychology	PSYC,
Radiography	RADR
Reading	READ
Respiratory Care	RSPT
Sociology	SOCI
Speech	SPCH
Veterinary Technology	VTHT
Welding Technology	OSHT, WLDG

Course Descriptions

Numbers in parentheses identify the number of classroom and lab hours per week. For example, (3-2) indicates three hours in the classroom plus two hours in the lab.

When present, a third number indicates clinical, ***practicum or internship hours.***

ABDR 1431 Basic Refinishing
4 Hours (2-4)
An introduction to current refinishing products, shop safety, and equipment used in the automotive refinishing industry. Emphasis on surface preparation, masking techniques, and refinishing of trim and replacement parts.

ABDR 1458 Intermediate Refinishing
4 Hours (2-4)
Expanded training in mixing and spraying of automotive topcoats. Emphasis on formula ingredient, reducing, thinning, and special spraying techniques. Introduction to partial panel refinishing techniques and current industry paint removal techniques. Prerequisite: ABDR 1431

ABDR 2449 Advanced Refinishing
4 Hours (2-4)
Skill development in multi-stage refinishing techniques. Further development in identification of problems and solutions in color matching and partial panel refinishing. Prerequisite: ABDR 1458

ACCT 2401 Principles of Accounting I
4 Hours (3-3)
This course is designed to present a general knowledge of accounting principles and procedures for the sole proprietorship and partnership form of business organization. Topics and problems include the complete accounting cycle, accounting systems and special purpose journals, internal controls and merchandising transactions, and the preparation of financial statements in accordance with generally accepted accounting principles. The student will study short-term liquid assets, including uncollectible accounts and notes receivable; several methods of inventory valuation and their effect upon operations; current liabilities and payroll accounting, including employer payroll taxes; the acquisition, depreciation (several methods), and disposal of plant property and equipment; intangible assets; and natural resources. Also studied are the accrual and cash bases of accounting and the effects of inflation and price-level changes.

ACCT 2402 Principles of Accounting II
4 Hours (3-3)
A continuation of ACCT 2401, this course includes the study of corporate financial accounting data for cost control and management decision making. The student is required to learn accounting methodology used by corporations to account for stocks, bonds, treasury stock, and investments. The student will learn how to prepare all the corporate financial statements. The student will use financial statement analysis to determine a firm's liquidity, profitability, and solvency, and to track trends. The student will learn the basics of manufacturing cost accounting and product costing, as well as basic planning and control tools such as break-even and marginal analysis. The course of study will include the planning and budgeting function, including cash budgeting and the use of standard costs for cost control. The student will learn the variable costing method, incremental cost analysis, and the use of present value and other techniques to analyze alternatives such as capital expenditures, make-or-buy, sales mix and other managerial accounting decision making techniques. Prerequisite: ACCT 2401.

ACNT 1329 Accounting Payroll and Business Tax Accounting
3 Hours (3-0)
A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. Student will calculate employee payroll, employer related taxes and prepare related tax forms; and maintain payroll records required under current laws.

ACNT 1331 Accounting Federal Income Tax Individual
3 Hours (3-0)
A study of the federal tax law for preparation of individual income tax returns. Students will prepare federal income tax forms and related schedules for individuals.

ACNT 1392 Special Topics in Accounting Technician
3 Hours (3-0)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. Special topics include: Governmental & Not-for-Profit Accounting, Auditing, and Intermediate Accounting. Prerequisite: ACCT 2402.

ACNT 1403 Introduction to Accounting I
4 Hours (3-3)
A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll. Students will define accounting terminology; analyze and record business transactions in a manual and computerized environment; complete the accounting cycle; prepare financial statements; and apply accounting concepts related to cash and payroll. Co-requisite: ITSW 1404 or proficiency with spreadsheets.

ACNT 1411 Introduction to Computerized Accounting
4 Hours (3-3)
Introduction to utilizing the computer in maintaining accounting records with primary emphasis on a general ledger package. Students will utilize an application software to perform accounting tasks; maintain records and prepare and analyze reports for a business entity; complete a comprehensive project; and explain the components of general ledger software. Prerequisite ACNT 1403 or ACCT 2401.

ACNT 1413 Computerized Accounting Applications
4 Hours (3-3)
Use of the computer to develop and maintain accounting records and to process common business applications for managerial decision-making. Students will utilize general ledger, spreadsheet and/or database software for accounting and management applications; and complete a comprehensive project. Prerequisite: ACNT 1403 or ACCT 2401.

ACNT 2370 Petroleum Accounting
3 Hours (3-0)
The student will acquire a basic understanding of the accounting for successful efforts and full-cost companies. Focus of the course will be in the areas of pre-drilling operations, undeveloped properties, drilling and development activities, oil and gas revenues, depreciation and amortization, tax, and joint operations. Prerequisite: ACCT 2401.

ACNT 2382, 2383 Cooperative Education-Accounting Technician
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and the student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the work experience. This course may be repeated if topics and learning outcomes vary. Prerequisite: ACCT 2401.

AERM 1203 Shop Practices
2 Hours (1-4)
An introduction to the correct use of hand tools and equipment, precision measurement, identification of aircraft hardware, and the fabrication of fluid lines and tubing. Emphasis on procedures for testing, heat treating, and inspection of aircraft structures.*

AERM 1205 Weight and Balance
2 Hours (1-2)
A study of the Federal Aviation Administration (FAA) required subjects relating to the weighing of aircraft, the performance of weight and balance calculations, and appropriate maintenance record entries.*

AERM 1208 Federal Aviation Regulations
2 Hours (1-2)
A course in the use and understanding of the Federal Aviation Administration and aircraft manufacturer's publications, forms, and records; and the exercise of mechanic privileges within prescribed limitations.*

AERM 1210 Ground Operations
2 Hours (1-4)
An introductory course in fuels, servicing methods and procedures, aircraft movement, securing and operations of aircraft, external power equipment, aircraft cleaning, and corrosion control.*

AERM 1241 Wood, Fabric, and Finishes
2 Hours (1-2)
A course in the use and care of various covering materials, finishes, and wood structures including approved methods and procedures. Prerequisite: General Courses.

AERM 1243 Instruments and Navigation/Communication
2 Hours (1-2)
A study of aircraft instruments and electronic flight instrument systems including testing and installing instruments; inspecting, checking, and troubleshooting navigation and communication systems; and inspecting and repairing antennas and electronic equipment installations. Prerequisite: General Courses.

AERM 1247 Airframe Auxiliary Systems
2 Hours (1-3)
Topics address airframe auxiliary systems including the operation and repair of position and warning systems, cabin atmospheric control systems, ice and rain control systems for aircraft and engines, and fire detection and protection systems. Prerequisite: General Courses.

AERM 1251 Aircraft Turbine Engine Theory
2 Hours (1-4)
Theory, history, and servicing of turbine engines to include lubrication, instrumentation, auxiliary power units, and exhaust systems.

AERM 1253 Aircraft Welding
2 Hours (1-2)
Topics address repair procedures for steel, magnesium, brass, and aluminum materials used in aircraft assembly and selection and application of appropriate methods of welding, brazing, and soldering steel, magnesium, brass, and aluminum. Prerequisite: General Courses.

AERM 1254 Aircraft Composites
2 Hours (1-3)
A study of the inspection and repair of composite, fiberglass, honeycomb, and laminated structural materials including doors, windows, bonded structures, and interior furnishings. Prerequisite: General Courses.

AERM 1314 Basic Electricity
3 Hours (2-3)
A study of aircraft electrical systems and their requirements including the use of the ammeter, voltmeter, and ohmmeter; series and parallel circuits; inductance and capacitance; magnetism; converting alternating current (AC) to direct current (DC); controlling devices; maintenance and servicing of aircraft batteries; and reading and interpreting aircraft electrical diagrams to include solid state devices and logic functions.*

AERM 1315 Aviation Science
3 Hours (2-2)
Fundamentals of mathematics, physics, and drawing as they apply to aircraft principles and operations as required by the federal Aviation Administration for airframe and powerplant mechanics.*

AERM 1340 Aircraft Propellers
3 Hours (3-3)
Fundamentals of construction of propellers. Skill development in inspection, servicing, and repair of fixed-pitch, constant-speed, and feathering propellers and governing systems. Instruction in removal, balancing, and installation of propellers. Prerequisite: General Courses.

AERM 1345 Airframe Electrical Systems
3 Hours (2-3)
A study of airframe electrical systems including installation, removal, disassembly, and repair of electrical components and related wiring. Prerequisite: General Courses.

AERM 1349 Hydraulic, Pneumatic, and Fuel Systems
3 Hours (2-4)
Skill development in inspecting, servicing, and maintaining aircraft fluid systems including hydraulics, pneumatics, and fuel. Application of basic concepts through detailed maintenance procedures. Prerequisite: General Courses.

*Designates General Courses for Aviation Maintenance

AERM 1350 Landing Gear Systems
3 Hours (2-3)
Inspection, servicing, overhaul, and repair of fixed and retractable landing gear systems. In-depth coverage of systems, components, and operation. Prerequisite: General Courses.

AERM 1352 Aircraft Sheet Metal
3 Hours (1-8)
A course in inspection and repair of sheet metal structures including forming, layout, and bending of sheet metal and identification, selection, and installation of rivets and fasteners. Prerequisite: General Courses.

AERM 1357 Fuel Metering and Induction Systems
3 Hours (2-4)
A study of fuel metering and induction systems used on reciprocating and turbine engines including fuel metering systems, carburetors, induction systems, heat exchangers, and cooling systems. Prerequisite: General Courses.

AERM 1444 Aircraft Reciprocation Engines
4 Hours (3-2)
A study of reciprocating engines and their development, operating principles, and theory. Instruction in engine instruments, lubricating, and exhaust systems. Prerequisite: General Courses.

AERM 1456 Aircraft Powerplant Electrical
4 Hours (3-4)
Theory, operation, and maintenance of powerplants including electrical, ignition, starting, and fire protection systems. Prerequisite: General Courses.

AERM 2231 Airframe Inspection
2 Hours (1-2)
A study of the materials and procedures for completing a One Hundred Hour Inspection as per Federal Aviation Regulations and manufacturers' service information.

AERM 2233 Assembly and Rigging
2 Hours (1-2)
An advanced course in assembly and rigging of fixed and rotary-wing aircraft. Prerequisite: General Courses.

AERM 2351 Aircraft Turbine Engine Overhaul
3 Hours (2-4)
Topics address inspection, disassembly, reassembly, and replacement of gas turbine engines, sections, and components and operational troubleshooting and analysis. Prerequisite: General Courses.

AERM 2352 Aircraft Powerplant Inspection
3 Hours (2-2)
In-depth coverage of methods and procedures for completing airworthiness and conformity inspections on aircraft powerplants. Capstone course. Prerequisite: General Courses.

AERM 2447 Aircraft Reciprocating Engine Overhaul
4 Hours (2-8)
A study of reciprocating engine overhaul including measurement and inspection procedures. Instruction in removal and installation, checks, servicing, and repair of engines. Prerequisite: General Courses.

AGRI 1407 Agronomy
4 Hours (3-3)
Principles and practices in the development, production, and management of field crops including plant breeding, plant diseases, soils, insect control, and weed control. Course fee.

AGRI 1419 Introductory to Animal Science
4 Hours (3-3)
Scientific animal agriculture. Importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of beef cattle, swine, sheep, goats, and horses. Course fee.

AIRP 1172 Interview Preparation
1 Hour (1-0)
Study of the interview skills and knowledge required to obtain a job with a commercial airline. Topics include interview procedures, working with placement agencies, personal appearance and attitudes, employer expectations, and employer/employee relations.

AIRP 1301 Air Navigation I (VFR)
3 Hours (3-1)
Visual flight navigation in the National Airspace System, including sectional charts, flight computers, plotters, and navigation logs. Radio navigation will include NDB and VOR navigation.

AIRP 1307 Aviation Meteorology
3 Hours (3-0)
In-depth coverage of meteorological phenomena affecting aircraft flight. Topics include basic concepts of aviation meteorology in the study of temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, and fog. Also includes analysis and use of weather data for flight planning.

AIRP 1315 Private Pilot Flight Training
3 Hours (1-6)
Flight training to prepare the student for the Federal Aviation Administration private pilot license. Student will demonstrate competency of each item as required by the Private Pilot Practical Test Standards.

AIRP 1317 Private Pilot Ground School
3 Hours (3-0)
Private Pilot ground school covering topics such as principles of flight, radio procedures, weather, navigation, aerodynamics, Federal Aviation Administration regulations, and NOTAM's.

AIRP 1341 Advanced Air Navigation
3 Hours (3-1)
Introduction to instrument flight operation and navigation. Topics include enroute navigation, instrument approaches, DP's, STAR's, NDB, VOR, and GPS.

AIRP 1343 Aerodynamics
3 Hours (3-0)
Study of the general principles of flight. Topics include lift, weight, thrust drag, aircraft stability and design, aerodynamic forces and multi-engine aerodynamics.

AIRP 1345 Aviation Safety
3 Hours (3-0)
A study of the fundamentals essential to the safety of flight. Topics include decision making factors, accident reporting, accident investigation, air traffic systems, and aircraft technologies.

AIRP 1355 Intermediate Flight Training
3 Hours (1-6)
Provides students with flight hours and skills necessary to fulfill the dual and solo hours in the areas of maneuvers and cross-country navigation required for the Federal Aviation Administration commercial pilot license.

**Designates General Courses for Aviation Maintenance*

AIRP 1451 Instrument Ground School
4 Hours (3-2)
A study of the basic instrument radio and navigation fundamentals used in instrument flight. Topics include a description and practical use of navigation systems, instruments, instrument charts, and the Federal Aviation Administration regulations.

AIRP 2333 Aircraft Systems
3 Hours (3-0)
Study of the general principles, operation, and application of pneumatic, hydraulic, electrical, fuel, environmental, protection, and warning systems. Emphasis on types of aircraft structures and their control systems.

AIRP 2335 Airline Transport Pilot Ground School
3 Hours (3-0)
Provides the flight training and ground instruction required to meet the Federal Aviation Administration regulations for the Airline Transport Pilot Certificate. Emphasis on achieving the competency to pass the written knowledge exam.

AIRP 2337 Commercial Pilot Ground School
3 Hours (3-0)
A study of advanced aviation topics to prepare the student for the Federal Aviation Commercial written examination.

AIRP 2339 Commercial Flight
3 Hours (1-8)
Flight instruction necessary to qualify for the Commercial pilots license. Student will demonstrate proficiency of all commercial pilot maneuvers to Commercial Pilot Practical Test Standards.

AIRP 2350 Instrument Flight
3 Hours (1-6)
Preparation for the completion of the Federal Aviation Administration Instrument Pilot rating. Student will demonstrate mastery of the airplane on full and partial panel instruments, chart reading, flight planning, and ATC radio procedures.

AIRP 2351 Multi-Engine Flight
3 Hours (1-4)
Preparation for the multi-engine rating which will be added to a current certificate. Includes explanation and demonstration of all required Federal Aviation Administration normal and emergency operations and procedures.

AIRP 2357 Turbine Aircraft Systems
3 Hours (2-4)
Instruction in the systems of specific turbine aircraft. Emphasis on the "glass cockpit", auxiliary power, aircraft systems, and the first officers' operational role. Capstone course.

ANTH 2302 Introduction to Archeology
3 Hours (3-0)
This course is an overview of human origins and biocultural adaptations. This is an introduction to methods and theory in the excavation and interpretation of material remains of past cultures.

ANTH 2351 Cultural Anthropology
3 Hours (3-0)
The students will study human culture in historical perspective by examining the development of culture as well as comparing present cultures.

ANTH 2389 Internship in Anthropology
3 Hours (0-7)
The internship program is designed to give students practical hands-on experience in one of the fields of anthropology. See the department faculty for current semester details.

ANTH 2401 Physical Anthropology
4 Hours (3-2)
This course covers the physical characteristics of modern man, fossil man, the higher primates, and ethnic groups, and the development of those characteristics.

ARTC 1313 Digital Publishing I
3 Hours (2-4)
The fundamentals of using digital layout as a primary publishing tool and the basic concepts and terminology associated with typography and page layout.

ARTS 1301 Art Appreciation
3 Hours (3-0)
A general education course open to all students. This course includes design principles from the layman's point of view and critical evaluation of selected works of painting, sculpture, architecture, and industrial design related to everyday life.

ARTS 1303 Art History I
3 Hours (3-0)
The student surveys painting, sculpture, architecture, and the decorative arts from prehistoric times to the 14th century. This class requires extensive ability in reading and writing.

ARTS 1304 Art History II
3 Hours (3-0)
The student surveys painting, sculpture, architecture, and the decorative arts from the 14th century to the present. This class requires extensive ability in reading and writing.

ARTS 1311 Design I
3 Hours (2-4)
Emphasis is upon two-dimensional design; student experiences include the fundamentals of line, color, form, texture, shape, space, and arrangement.

ARTS 1312 Design II
3 Hours (2-4)
Continuation of Arts 1311 with emphasis placed on student study of the three-dimensional concepts. Prerequisite: ARTS 1311.

ARTS 1316 Drawing I
3 Hours (2-4)
A beginning course in which the student investigates a variety of media, techniques, and subjects. Students explore perceptual and descriptive possibilities with consideration of drawing as a developmental process and as an end in itself.

ARTS 1317 Drawing II
3 Hours (2-4)
Expansion of Arts 1316 that allows the student to stress the expressive and conceptual aspects of drawing including the human figure within a spatial environment. Prerequisite: ARTS 1316.

ARTS 2311 Design III
3 Hours (2-4)
An advanced investigation in which students explore the problems of two-dimensional form with emphasis on individual expression.

ARTS 2316 Painting I
3 Hours (2-4)
The student explores the potentials of painting media with emphasis on color and composition.

ARTS 2317 Painting II
3 Hours (2-4)
Continuation of Arts 2316 with emphasis on individual student's expression. Prerequisite: ARTS 2316.

ARTS 2323 Drawing III
3 Hours (2-4)
A life drawing course in which the student learns the structure and action of the human figure.

ARTS 2324 Drawing IV
3 Hours (2-4)
A continuation of Art 2323 with emphasis on the student's individual expression. Prerequisite: ARTS 2323.

ARTS 2326 Sculpture I
3 Hours (2-4)
An exploration of various sculptural approaches in which the student works in a variety of media including additive and subtractive techniques.

ARTS 2327 Sculpture II
3 Hours (2-4)
A continuation of Arts 2326 with emphasis on student's individual expression. Prerequisite: ARTS 2326.

ARTS 2333 Printmaking I
3 Hours (2-4)
An introduction for the student into the basic printmaking processes including etching, monotype, and relief.

ARTS 2334 Printmaking II
3 Hours (2-4)
Opportunities for specialization and experimentation by the student in printmaking processes. Prerequisite: ARTS 2333.

ARTS 2341 Art Metals I
3 Hours (2-4)
Basic techniques for the student working with nonferrous metals.

ARTS 2342 Art Metals II
3 Hours (2-4)
Further investigation by the student of advanced techniques and processes. Prerequisite: ARTS 2341.

ARTS 2346 Ceramics I
3 Hours (2-4)
An introduction for the student to basic ceramic processes.

ARTS 2347 Ceramics II
3 Hours (2-4)
Opportunities for specialization by the student in ceramic processes. Prerequisite: ARTS 2346.

ARTS 2348 Digital Arts I
3 Hours (2-4)
An introduction to graphic design principles and typography with emphasis upon digital imaging. The course enables students to explore the creation and manipulation of images with a computer. Course content includes use of digital camera, flatbed and film scanners, Adobe Photoshop software, and printer.

ARTS 2349 Digital Arts II
3 Hours (2-4)
Advanced graphic design principles and techniques with emphasis upon digital imaging. The course enables students to explore more expressive and interpretive use of imagery and to practice commercial application as well. Course increases students' exposure to software programs beyond Adobe Photoshop. Prerequisite: ARTS 2348.

ARTS 2356 (also COMM 1318) Photography I
3 Hours (2-4)
An introductory course for beginners in black and white photography. Students learn basic techniques of camera functions, film development, print processing and design fundamentals.

ARTS 2357 (also COMM 1319) Photography II
3 Hours (2-4)
A continuation of ARTS 2356 with emphasis on photography applied to publications. Students work with more complex subjects and techniques in order to communicate their ideas through photographic images. Prerequisite: COMM 1318 or ARTS 2356.

ARTS 2366 Watercolor I
3 Hours (2-4)
Exploration of the potentials of water based media by the student with emphasis on color and composition.

ARTS 2367 Watercolor II
3 Hours (2-4)
This course is an extension of Art 2366 and subject to all the conditions of that course. Prerequisite: ARTS 2366.

ARTV 1302 Introduction to Technical Animation and Rendering
3 Hours (2-4)
This course introduces the basic terminology and concepts associated with the development of computer modules used in technical computer animation. Topics include basic animation principles, model creation, light sources, camera positioning, rendering as well as importing and modification of external files. Course projects reflect current practices in the architectural, engineering, or construction disciplines. Prerequisite: DFTG 2340 Software: 3D Studio, MAX, AUTODESK, VIZ.

ARTV 1340 Intermediate Technical Animation and Rendering
3 Hours (2-4)
3-D modeling and rendering techniques including lighting, staging, camera, and special effects. Emphasizes 3-D modeling building blocks using primitives to create simple and complex architectural/mechanical models. Execute conceptual ideas through 3-D modeling and rendering; demonstrate digital lighting and camera operations on constructed objects; and complete 3-D computer animation sequences. Prerequisite: ARTV 1302 Software: 3D Studio, MAX, AUTODESK, VIZ.

AUMT 1305 Introduction and Theory of Automotive Technology
3 Hours (2-4)
An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, automobile maintenance, and light repair.

AUMT 1306 Automotive Engine Removal and Installation
3 Hours (2-4)
Fundamentals of engine inspection, removal and installation procedures. May be taught manufacturer specific. Prerequisite: AUMT 1305 or instructor approval. Capstone Course.

AUMT 1307 Automotive Electrical Systems
3 Hours (2-4)
An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, charging and starting systems, and electrical accessories. Emphasis on electrical schematic diagrams and service manuals. May be taught manufacturer specific. Co-requisite: AUMT 1305 or instructor approval.

AUMT 1310 Automotive Brake Systems
3 Hours (2-4)
Operation and repair of drum/disc type brake systems. Emphasis on safe use of modern equipment. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific. Co-requisite: AUMT 1305 or instructor approval.

AUMT 1316 Suspension and Steering
3 Hours (2-4)
Theory and operation of automotive suspension and steering systems including tire and wheel problem diagnosis, component repair, and alignment procedures. May be taught manufacturer specific. Prerequisite: AUMT 1305 or instructor approval.

AUMT 1319 Automotive Engine Repair
3 Hours (2-4)
Fundamentals of engine operation, diagnosis and repair including lubrication systems and cooling systems. Emphasis on overhaul of selected engines, identification and inspection, measurements, and disassembly, repair, and reassembly of the engine. May be taught manufacturer specific. Co-requisite: AUMT 1305 or instructor approval.

AUMT 1345 Automotive Heating and Air Conditioning
3 Hours (2-4)
Theory of automotive air conditioning and heating systems. Emphasis on the basic refrigeration cycle and diagnosis and repair of system malfunctions. Covers EPA guidelines for refrigerant handling and new refrigerant replacements. May be taught manufacturer specific. Prerequisite: AUMT 1305 or instructor approval.

AUMT 1380 Cooperative Education - Auto/Automotive Mechanic/Technician
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. Enrollment must be approved by the instructor.

AUMT 2301 Automotive Management
3 Hours (3-1)
Instruction in human relations, customer relations, and customer satisfaction. Emphasis on management techniques and building relationships between the service department and the customer.

AUMT 2313 Manual Drive Train and Axle
3 Hours (2-4)
A study of automotive clutches, clutch operation devices, standard transmissions, transaxles and rear axles, and differentials with emphasis on the diagnosis and repair of transmissions and drive lines. May be taught manufacturer specific. Prerequisite: AUMT 1305 or instructor approval.

AUMT 2317 Engine Performance Analysis I
3 Hours (2-4)
Theory, operation, diagnosis, and repair of basic engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment. May be taught manufacturer specific. Prerequisite: AUMT 1307 or instructor approval.

AUMT 2321 Automotive Electrical Lighting and Accessories
3 Hours (2-4)
Repair of automotive electrical subsystems, lighting, instrumentation, and accessories. Emphasis on accurate diagnosis and proper repair methods using various troubleshooting skills and techniques. May be taught manufacturer specific. Prerequisite: AUMT 1307 or instructor approval.

AUMT 2325 Automatic Transmission and Transaxle
3 Hours (2-4)
A study of the operation, hydraulic principles, and related circuits of modern automatic transmission and automatic transaxles. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and proper repair techniques. May be taught manufacturer specific. Prerequisite: AUMT 1307 or instructor approval.

AUMT 2334 Engine Performance Analysis II
3 Hours (2-4)
Diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems; and proper use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Prerequisite: AUMT 2317 or instructor approval.

AUMT 2428 Automotive Service
4 Hours (2-4)
Mastery of automotive vehicle service and component systems repair. Emphasis on mastering current automotive competencies covered in related theory courses. Maybe taught manufacturer specific.

AUMT 2437 Automotive Electronics
4 Hours (3-4)
Topics address electrical principles, semiconductor and integrated circuits, digital fundamentals, microcomputer systems, and electrical test equipment as applied to automotive technology. May be taught manufacturer specific. Prerequisite: AUMT 1307 or instructor approval.

AUMT 2455 Automotive Engine Machining
4 Hours (2-4)
An in-depth study of precision engine rebuilding, cylinder reconditioning, and crack repair. Instruction in machines and equipment necessary to complete an engine repair. Maybe taught manufacturer specific.

AVIM 1301 Introduction to Aviation Management
3 Hours (3-0)
An introduction to small aviation business management. Emphasis on financial marketing, human resources, and administrative and information systems essential for successful business operations.

BCIS 1405 Business Computer Applications
4 Hours (3-3)
Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. This course is designed for business majors who plan to transfer to a four year school.

BCIS 2390 Systems Analysis & Design
3 Hours (3-0)
Analysis of business information needs and preparation of specifications and requirements for appropriate data system solutions. Includes instruction in information requirements analysis, specification development and writing, prototype evaluation, and network application interfaces (can be used in place of ITSE 1350).

BIOL 1322 Nutrition & Diet Therapy
3 Hours (3-0)
Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet applications. May not be used as a core science requirement.

BIOL 1406 Biology for Science Majors I
4 Hours (3-3)
This general biology course (first semester) is devoted to principles shared by all organisms. These principles are cell biology, energy, genetics, evolution, and ecology.

BIOL 1407 Biology for Science Majors II
4 Hours (3-3)
This general biology course (second semester) is devoted to particular organisms. Much of the emphasis is on vertebrate biology. The principles studied are diversity, plant biology, animal biology, and behavior. Dissection required. Prerequisite: BIOL 1406.

BIOL 1408 Introduction to Biology I
4 Hours (3-3)
Fundamental principles of living organisms including physical and chemical properties of life, organization, and function. Concepts of reproduction, genetics, and the scientific method are included. This course is suitable as a required lab sciences for non-biology majors and may not be substituted for BIOL 1406.

BIOL 1409 Introduction to Biology II
4 Hours (3-3)
Fundamental principles of living organisms including evolutionary adaptation and classification. Concepts of evolution, ecology, and the scientific method are included. This course is suitable as a required lab science for non-biology majors and may not be substituted for BIOL 1407. Prerequisite: BIOL 1408

BIOL 1424 Systematic Botany
4 Hours (3-3)
Introduction to the identification, classification, and evolutionary relationships of vascular plants with emphasis on flowering plants. Includes the importance of herbaria, collection techniques, and the construction and use of taxonomic keys.

BIOL 2289 Academic Cooperative
2 Hours (2-3)
An instructional program designed to integrate on-campus study with practical hands-on work experience in the biological sciences/life sciences. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of living organisms and their systems. Prerequisite: BIOL 1406 and 1407 or BIOL 2401 and 2402.

BIOL 2106 Environmental Biology Lab
1 Hour (0-3)
This course is designed to enable students to become proficient in human interaction with and effect upon plant and animal communities. Conservation, pollution, energy, and other contemporary ecological problems. Co-requisite: BIOL 2306.

BIOL 2306 Environmental Biology
3 Hours (3-0)
This course is designed to enable students to become proficient in human interaction with and effect upon plant and animal communities. Conservation, pollution, energy, and other contemporary ecological problems. Co-requisite: BIOL 2106.

BIOL 2401 Anatomy and Physiology I
4 Hours (3-4)
This course is designed to produce student proficiency in body organization, the skeletal system, the muscular system, and the nervous system. Laboratory work will include dissection of a mammal. Dissection required. BIOL 1406 highly recommended.

BIOL 2402 Anatomy and Physiology II
4 Hours (3-4)
This course is designed to enable students to become proficient in the following biological systems: the circulatory system with special emphasis on the blood and heart, the respiratory system, the digestive system, and the reproductive system. Laboratory work will include dissection of a mammal. Dissection required. Prerequisite: Requires "C" or greater in BIOL 2401.

BIOL 2416 Genetics
4 Hours (3-4)
This course is designed to enable students to become familiar with the following topics in genetics: the physical basis and the chemical basis of heredity, the laws of heredity and variation, mitotic and meiotic cell division, and the study of human diseases that are caused by genetic defects. Prerequisite: BIOL 1406 and 1407 or BIOL 2401 and 1402.

BIOL 2421 Microbiology for Science Majors
4 Hours (3-4)
The study of the morphology, physiology, and taxonomy of representative groups of pathogenic and nonpathogenic microorganisms. Pure cultures of microorganisms grown on selected media are used in learning laboratory techniques. Includes a brief preview of food microbes, public health, and immunology. Prerequisite: BIOL 1406 or BIOL 2401 or CHEM 1405 or CHEM 1411 or permission of instructor.

BMGT 1301 Supervision
3 Hours (3-0)
The role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills. Students will explain the role, characteristics, and skills of a supervisor; identify the principles of management at the supervisory level; identify and discuss the human relations skills necessary for supervision; explain motivational techniques; and cite examples of how motivational techniques can be used by a supervisor in a working environment.

BMGT 1305 Communications in Management
3 Hours (3-0)
Basic theory and processes of communication skills necessary for the management of an organization's workforce. Students will explain the communication process; identify and remedy major communication barriers; describe how communication contributes to effective management.

BMGT 1327 Principles of Management
3 Hours (3-0)
Concepts, terminology, principles, theories, and issues in the field of management. Students will explain various theories, processes, and functions of management; apply theories to a business environment; identify leadership roles in organizations; and describe elements of the communication process.

BUSA 1313 Investments
3 Hours (3-0)
An overview of the theory and mechanics of business investment decisions and management of business financial assets using quantitative management techniques. Topics include time value of money, cash flow, capital budgeting, sources of funds, break-even analysis, and investment decisions. Students will define terms related to investments; apply basic concepts and calculations to planning and control of investments; and identify analytical models used for financial decision-making.

BUSG 1191 Special Topics in Business
1 Hour (1-0)
The student will gain exposure to a variety of topics that pertain to current issues and problems in the business administration field. This course may be repeated for additional credit using a different topic.

BUSG 1291 Special Topics in Business
2 Hours (2-0)
The student will gain exposure to a variety of topics that pertain to current issues and problems in the business administration field. This course may be repeated for additional credit using a different topic.

BUSG 1303 Principles of Finance
3 Hours (3-0)
Financial dynamics of a business. Includes monetary and credit theory, cash inventory, capital management, and consumer and government finance. Emphasizes the time value of money. Students will identify the processes and structures of monetary policy; relate the sources of capital to business, consumers, and government; define the time value of money and its relationship to credit; and describe the characteristics of financial intermediaries and related markets.

BUSG 1304 Introduction to Financial Advising
3 Hours (3-0)
A study of the financial problems encountered by financial advisors when managing family financial affairs. Includes methods to advise clients on topics such as estate planning, retirement, home ownership, savings, and investment planning. The student will identify the concepts associated with the time value of money; identify the differences among various savings and investment programs and classes of securities; identify the options for personal insurance; describe retirement and estate planning techniques; explain owning versus renting real property; and describe consumer protection legislation.

BUSG 1391 Special Topics in Business
3 Hours (3-0)
The student will gain exposure to a variety of topics that pertain to current issues and problems in the business administration field. Prerequisite: 12 hours of business-related courses or permission of instructor. This course may be repeated for additional credit using a different topic.

BUSG 2309 Small Business Management Enterprise
3 Hours (3-0)
Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues. Students will identify management skills for a small business; outline issues related to choosing a business, succeeding in a business, and obtaining a return on investment; and create a business plan.

BUSG 2380, 2381 Cooperative Education - Business, General
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through work experience. This course may be repeated if topics and learning outcomes vary.

BUSI 1301 Business Principles
3 Hours (3-0)
Students will learn business operations, will develop a business vocabulary, and will direct their thinking to the field of business best suited to their interests and talents. Students will analyze the specialized fields within the business organization, such as management, accounting, personnel, marketing, and finance. Students will also explore the role of business in modern society.

BUSI 2301 Business Law
3 Hours (3-0)
The student will develop an understanding of the legal framework of business and will develop an awareness of legal responsibilities and rights when dealing with persons and institutions in the business world. The student will understand the basic principles of law of torts, contracts, bailments and personal property. Special emphasis will be placed on sales contracts.

CDEC 1223 Observation and Assessment
2 Hours (1-2-0)
This course is a study of observation skills, assessment techniques, and documentation of children's development.

CDEC 1313 Curriculum Resources for Early Childhood Programs
3 Hours (2-2-0)
This course is a study of the fundamentals of curriculum design and implementation in developmentally appropriate programs for children.

CDEC 1319 Child Guidance
3 Hours (2-2-0)
This course is an exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. An emphasis on positive guidance principles and techniques, family involvement and cultural influences is also covered. Practical application is gained through direct participation with children.

CDEC 1321 The Infant and Toddler
3 Hours (2-2-0)
This course is a study of appropriate infant and toddler programs, (birth to 3 years) including an overview of development, quality routines, appropriate environments, materials and activities and teaching/guidance techniques. Prerequisite: TECA 1354.

CDEC 1356 Emergent Literacy for Early Childhood
3 Hours (2-2-0)
This course is an exploration of principles, methods, and materials for teaching young children language and literacy through a play-based, integrated curriculum.

CDEC 1358 Creative Arts for Early Childhood
3 Hours (2-2-0)
This course is an exploration of principles, methods, and materials for teaching children music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking.

CDEC 1359 Children with Special Needs
3 Hours (2-2-0)
This course is a survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role and legislative issues.

CDEC 2307 Math and Science for Early Childhood
3 Hours (2-2-0)
This course is an exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play.

CDEC 2315 Diverse Cultural/Multilingual Education
3 Hours (2-2-0)
This course is an overview of multicultural education to include relationship with the family and community to develop awareness and sensitivity to diversity related to individual needs of children.

CDEC 2326 Administration of Programs for Children I
3 Hours (2-4-0)
This course is a practical application of management procedures for early care and education programs, including a study of planning, operating, supervising, and evaluating programs. Topics on philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication will be covered.

CDEC 2328 Administration of Programs for Children II
3 Hours (2-4-0)
This course is an in-depth study of the skills and techniques in managing early care and education programs, including legal and ethical issues, personnel management, team building, leadership, conflict resolution, stress management advocacy, professionalism, fiscal analysis and planning parent education/partnerships, and technical applications in programs. Prerequisite: CDEC 2326.

CDEC 2336 Administration of Programs for Children III
3 Hours (2-4-0)
This course is an advanced study of the skills and techniques in managing early child care education programs.

CDEC 2341 The School Age Child
3 Hours (2-2-0)
This course is a study of appropriate programs for the school age child (5 to 13 years) including an overview of development, appropriate environments, materials, activities and teaching/guidance techniques.

CDEC 2366 Practicum in Child Development and Early Childhood
3 Hours (0-0-21)
This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Basic skills certificate or AAS majors only.

CETT 1402 Electricity Principles
4 Hours(3-3)
Principles of electricity including proper use of test equipment, A/C and D/C circuits, and component theory and operation. Students will identify basic principles of electricity (A/C and D/C), voltage, current, and circuitry; apply Ohm's law to electrical calculations; use test equipment to measure continuity voltage, and current values; and use electrical safety practices.

CETT 2380 Cooperative Education - Computer Engineering Technology/Technician
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience directly related to a technical discipline, specific learning objectives guide the student through work experience. This course may be repeated if topics and learning outcomes vary. Prerequisite: 12 semester credit hours.

CHEM 1104 Chemical Calculations
1 Hour (1-0)
Study of the mathematical application used in chemistry. Designed for science and engineering students. Lab fee required.

CHEM 1405 Introductory Chemistry
4 Hours (3-4)
This survey course for non-science majors will enable these students to comprehend the fundamental concepts of chemistry and will fulfill four credit hours of the lab science requirement.

CHEM 1411 General Inorganic Chemistry I
4 Hours (3-4)
This course will enable students to become proficient in stoichiometry, chemical equations, atomic structure, chemical bonding, reactions, gas laws, liquids and solids, and solutions. A knowledge of algebra is needed.

CHEM 1412 General Inorganic Chemistry II
4 Hours (3-4)
This course will enable students to become proficient in acid-base theory, oxidation-reduction reactions, chemical kinetics, aqueous equilibria, electrochemistry, and organic chemistry. Prerequisite: "C" or greater in CHEM 1411.

CHEM 2389 Academic Cooperative
3 Hours (3-0)
An instructional program designed to integrate on campus Study with practical hands-on work experience in the physical sciences. In conjunction with class seminars, the individual students will set specific goals and objectives in the scientific study of inanimate objects, processes of matter and energy, and associated phenomena.

CHEM 2401 Analytical Chemistry I
4 Hours (3-4)
Principles and methods of quantitative chemical analysis dealing primarily with volumetric and gravimetric analysis and containing a brief introduction to physical methods. Pre-requisite: CHEM 1411; Co-requisite: CHEM 1412.

CHEM 2423 Organic Chemistry I
4 Hours (3-4)
This course will enable students to become proficient in the reactions and mechanisms of aliphatic and aromatic hydrocarbons, and their derivatives. Prerequisite: CHEM 1412.

CHEM 2425 Organic Chemistry II
4 Hours (3-4)
This course will enable students to become proficient in the reactions and mechanisms of alcohols, phenols, ethers, aldehydes and ketones, carboxylic acids, and amines. Prerequisite: CHEM 2423.

CJLE 1327 Interviewing and Report Writing for Criminal Justice Professions
3 Hours (3-0)
Instruction and skill development in interviewing, note-taking, and report writing in the criminal justice context. Development of skills to conduct investigations by interviewing witnesses, victims, and suspects properly. Organization of information regarding incidents into effective written reports. Students will demonstrate techniques for conducting interviews in support of incident investigations; collect information admissible in court using interview techniques; demonstrate appropriate note-taking skills; and create reports that convey all pertinent information.

CJLE 1333 Traffic Law and Investigation
3 Hours (3-0)
Instruction in the basic principles of traffic control, traffic law enforcement, court procedures, and traffic law. Emphasis on the need for a professional approach in dealing with traffic law violators and the police role in accident investigation and traffic supervision. Students will identify background and underlying principles of the traffic law enforcement effort; describe the legal requirements which govern and control the making and enforcement of criminal laws and traffic laws in particular; explain the procedures to maximize the individual officer's personal safety during a stop, particularly in a criminal situation; explain the factors which influence the officer and violator during their face-to-face contact; explain the importance of meeting the objectives of a traffic program, i.e. reduction of traffic fatalities and prosecution of traffic offenses; and identify the various enforcement activities that lead to achieving an effective traffic program.

CJSA 1382, 2382 Cooperative Education - Criminal Justice Studies
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and employer, the student combines classroom learning with work experience. Specific learning objectives directly related to a technical discipline guide the student through the paid work experience.

CJSA 1392 Criminal Justice Special Topics
3 Hours (3-0-0)
Topics address recently identified current events, skills or knowledge pertinent to the field of criminal justice. Topics vary with each offering.

CJSA 2323 Criminalistics
3 Hours (3-0)
Theory and practice of crime scene investigation. Topics include report writing, blood and other body fluids, document examination, etchings, casts and molds, glass fractures, use of microscope, and firearms identification. Students will explain the various aspects of theory and practice related to crime scene investigation and list the procedures used in the various types of evidence discovery and examination.

COMM 1129, 1130, 2129, 2130 Publications
1 Hour (0-4)
Working experience in publications. Students are required to be on the staff of at least one of the official college publications and to work under supervision a minimum of four hours weekly.

COMM 1307 Introduction to Mass Communications
3 Hours (3-0)
A survey of American mass communication functions with emphasis on development and current trends of print media, broadcasting, advertising, and public relations. Students are encouraged to become critical media consumers as well as to explore career possibilities in mass communications.

COMM 1318 (ALSO ARTS 2356) Photography I
3 Hours (2-4)
An introductory course for beginners in black and white photography. Students learn basic techniques of camera functions, film development, print processing and design fundamentals.

COMM 1319 (ALSO ARTS 2357) Photography II
3 Hours (2-4)
A continuation of Communication 1318 with emphasis on photography applied to publications. Students work with more complex subjects and techniques in order to communicate their ideas through photographic images. Prerequisite: COMM 1318

COMM 1335 Survey of Radio/Television
3 Hours (3-0)
Study of the development, regulation, economics, social impact, and industry practices in broadcasting and cable communication. Includes non-broadcast television, new technologies, and other communication systems.

COMM 2289 Academic Cooperative
2 Hours (2-2)
An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of communication.

COMM 2389 Academic Cooperative
3 Hours (3-3)
An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of communication.

COMM 2300 Media Literacy and Society
3 Hours (3-0)
This class is designed to criticize and analyze the function, role and responsibility of the mass media in modern society from the consumer perspective. The course includes the ethical problems and issues facing each media format, with the effect of political, economic, and cultural factors on the operation of the media. Students will study the media influence throughout history on the formation of governments and private sector organizations. The course will explore the enrichment as well as negative consequences that media has brought to society.

COMM 2301 Introduction to Technology and Human Communication
3 Hours (3-0)
A survey of emerging interactive communication technologies and their influence on human communication, including interpersonal, group decision-making, and public and private communication contexts.

COMM 2305 News Editing
3 Hours (3-3)
A course in which copy editing, rewriting, proofreading, headline writing, and layout are emphasized. Lab work on newspaper and/or magazine required. Prerequisite: COMM 2309.

COMM 2311 News Gathering and Writing
3 Hours (3-3)
A study of fundamental news gathering and writing in which the students learn the evaluation of news, news gathering problems, and techniques, writing leads, organizing stories, and overcoming grammatical and structural problems. Lab work on newspaper staff required.

COMM 2315 News Gathering and Writing II
3 Hours (3-0)
A course in which the student learns to write newspaper and magazine feature and editorial material with emphasis on marketing of articles and research methods for article writing. Students study philosophy of news selection, ethics of communication, and responsibility in reporting. Work on the student newspaper or magazine is required. Prerequisite: COMM 2311 or consent of instructor.

COMM 2316 Interviewing
3 Hours (3-0)
A course designed to enable the student to apply communication concepts in selected interview settings with emphasis on dyadic communication, questioning techniques, interview structure, and persuasion.

COMM 2327 Principles of Advertising
3 Hours (3-0)
An overview of the broad field of advertising. This course acquaints students with the role of advertising in the American economy and society. Students study TV, radio, print advertising functions, and support advertising forms such as direct mail, transit, and outdoor media. Students create ads as part of an advertising campaign project.

COMM 2330 Introduction to Public Relations
3 Hours (3-0)
A course exploring the history and development of public relations and presenting the theory and process of public relations-including the planning, implementation, and evaluation of PR campaigns.

COMM 2332 Radio/Television News
3 Hours (3-0)
Preparation and analysis of news styles for the electronic media.

COMM 2339 Writing for Radio, Television, & Film
3 Hours (3-0)
Introduction to basic script formats, terminology, and writing techniques, including the writing of commercials, public service announcements, promotions, news, documentary, and fictional materials.

COSC 1330 Computer Programming
3 Hours (3-1)
Introduction to computer programming in various programming languages. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes coverage of language syntax, data and file structures, input/output devices, and disks/files.

COSC 1336 Programming Fundamentals I
3 Hours (3-1)
Introduces the fundamental concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

COSC 1337 Programming Fundamentals II
3 Hours (3-1)
Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering. Prerequisite: COSC 1336.

COSC 1401 Microcomputer Applications
4 Hours (3-3)
Overview of computer information systems. Introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments in society. The fundamentals of computer problem solving and programming in a higher level programming language may be discussed and applied.

COSC 2330 Advanced Structured Languages
3 Hours (3-1)
Further applications of programming techniques. Topics may include file access methods, data structures and modular programming, program testing and documentation, and other topics not normally covered in an introductory computer programming course. Prerequisite: COSC 1330.

COSC 2336 Programming Fundamentals III
3 Hours (3-1)
Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. Prerequisite: COSC 1337.

CPMT 1445 Computer Systems Maintenance
4 Hours (3-3)
Functions of the components within a computer system. Development of skills in the use of test equipment and maintenance aids. Students will describe the functions of components in a computer system; use computer related test equipment; and demonstrate the effective use of maintenance tools.

CPMT 2380 Cooperative Education - Computer Maintenance Technology/Technician
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. As outlined in the learning plan, Apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

This course may be repeated if topics and learning outcomes vary. Prerequisite: 12 semester credit hours.

CPMT 2445 Computer Systems Troubleshooting
4 Hours (3-3)
Principles and practices involved in computer system troubleshooting techniques and repair procedures including advanced diagnostic test programs and the use of specialized test equipment. The student will develop hardware and software troubleshooting techniques and perform procedures used in troubleshooting. Prerequisites: CPMT 1445.

CRIJ 1301 Introduction to Criminal Justice
3 Hours (3-0)
Introduction to the criminal justice system. Topics include the history, philosophy and ethical considerations of criminal justice; definitions of crime and development of appropriate vocabulary; the nature and impact of crime; components of the criminal justice system and an introduction to law and legal concepts.

CRIJ 1306 Court Systems and Practices
3 Hours (3-0)
A study of the role of the judiciary in the criminal justice system. Topics include the structure of the Texas court system; prosecution of offenders; the right to counsel; pretrial release; grand jury processes; the adjudication of crimes; rules of evidence and sentencing using Texas statutes as illustrations.

CRIJ 1307 Crime in America
3 Hours (3-0)
The study of crime problems and theories in historical perspective. Topics include social and other factors affecting crime; the impact of crime on society; crime trends; social characteristics of specific crimes; crime prevention and the crime victim.

CRIJ 1310 Fundamentals of Criminal Law
3 Hours (3-0)
A study of the nature of criminal law. Topics include the philosophical and historical development of law; major definitions and concepts; classifications of laws and penalties and criminal responsibility using Texas statutes as illustrations.

CRIJ 1313 Juvenile Justice System
3 Hours (3-0)
A study of the juvenile court process. Topics include specialized juvenile law; the roles of the juvenile court, police agencies and correctional agencies; theories concerning causes and treatment of delinquency using Texas statutes as illustrations.

CRIJ 2301 Community Resources in Corrections
3 Hours (3-0)
An overview of diversionary practices and treatment programs utilized in the local setting. Topics include correctional theories and practices; selected models of corrections and future trends in community corrections using Texas statutes as illustrations.

CRIJ 2313 Correctional Systems and Practices
3 Hours (3-0)
A study of the role of corrections in the criminal justice system. Topics include the history of corrections; organization and theory of correctional systems; institutional operations; alternatives to institutionalization; treatments and rehabilitation and current and future trends in correction.

CRIJ 2314 Criminal Investigation
3 Hours (3-0)
A study of the theory of criminal investigations. Topics include the historical development of investigative techniques; the collection and preservation of evidence; sources and techniques of gathering information; the use of forensic science in criminal investigations; methods of conducting investigations and preparing cases for trial.

CRIJ 2323 Legal Aspects of Law Enforcement
3 Hours (3-0)
A study of the legal authority of the police. Topics include responsibilities of and restraints upon the police; constitutional aspects of police work; laws of arrest, search and seizure and police liability using Texas statutes and cases as illustrations.

CRIJ 2328 Police Systems and Practices
3 Hours (3-0)
An examination of police work as a profession. Topics include the organization of law enforcement systems; police discretion; ethics; police-community relations and current and future issues facing law enforcement professionals. This course is the capstone course for Associate of Applied Science-Law Enforcement degrees. Corequisites/prerequisites: CRIJ 1301; CRIJ 1306; CRIJ 1310; CRIJ 2313 or consent of instructor.

CSME 1254 Artistry of Hair Design I
2 Hours (0-7-0)
Introduction to hair design. Topics include the theory and applications of wet styling, thermal hair styling, and finishing techniques.

CSME 1410 Introduction to Hair Cutting and Related Theory
4 Hours (2-8-0)
Introduction to the theory and practice of hair cutting. Topics include terminology, implements, sectioning and finishing techniques.

CSME 1443 Manicuring and Related Theory
4 Hours (2-5-0)
Presentation of the theory and practice of nail technology. Topics include terminology, application, and workplace competencies related to nail technology.

CSME 1447 Principles of Skin Care/Facials and Related Theory
4 Hours (2-5-0)
In-depth coverage of the theory and practice of skin care, facials, and cosmetics.

CSME 1505 Fundamentals of Cosmetology
5 Hours (3-8-0)
A course in the basic fundamentals of cosmetology. Topics include service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out.

CSME 1551 Artistry of Hair, Theory and Practice
5 Hours (3-8-0)
This course is an instruction in the artistry of hair design. Topics included in the course include theory, techniques, and application of hair design.

CSME 1553 Chemical Reformation and Related Theory
5 Hours (3-8-0)
Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies.

CSME 2302 Introduction to Application of Hair Color
3 Hours (3-4-0)
Introduction of various basic hair color applications including all safety and sanitation procedures.

CSME 2337 Advanced Cosmetology Techniques
3 Hours (1-8-0)
Mastery of advanced cosmetology techniques including hair designs, professional cosmetology services, and workplace competencies.

CSME 2343 Salon Development
3 Hours (2-3-0)
Application of procedures necessary for salon development. Topics include professional ethics and goals, salon operation, and record keeping.

CSME 2345 Preparation for the State Licensing Practical Examiniation
3 Hours (1-7-0)
This course is a preparation for the state licensing practical examination

CSME 2401 The Principles of Hair Coloring and Related Theory.
4 Hours (2-8-0)
Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application, and workplace competencies related to hair color.

CSME 2410 Advanced Hair Cutting and Related Theory
4 Hours (2-8-0)
Advanced concepts and practice of haircutting. Topics include haircuts utilizing scissors, razor, and/or clippers.

CSME 2441 Preparation for the State Licensing Examination
4 Hours (2-5-0)
Preparation for the state licensing examination.

CTEC 1441 Applied Instrumental Analysis I
4 Hours (3-4)
Principles of instrumental chemical analysis. Topics include chromatography, spectroscopy, and electroanalytical chemistry. Pre-requisite: CHEM 2423.

CTEC 2371 Sample Preparation
3 Hours (2-2)
Preparatory techniques for the purification of crude materials and samples for the isolation of target analytes. Includes acid/base digestion of samples, filtration, liquid-liquid extraction, solid-phase extraction, column chromatography, thin-layer chromatography, and distillation. Pre-requisite: CHEM 1411.

CTEC 2431 Applied Instrumental Analysis II
4 Hours (3-4)
Advanced topics in instrumental analysis. Topics include atomic absorption, inductively coupled plasma, nuclear magnetic resonance, gas chromatography/mass spectrometry, liquid chromatography, and infrared spectroscopy. Pre-requisite: CTEC 1441.

DAAC 1309 Assessment Skill of Alcohol and Other Drug Addictions
3 Hours (3-0)
Examines procedures by which a counselor/program identifies and evaluates an individual's strengths, weaknesses, problems, and needs which will be used in the development of a treatment plan. Prepares the student to appropriately explain assessment results and individual rights to clients. Prerequisite or Co-requisite: DAAC 1319.

DAAC 1311 Counseling Theories
3 Hours (3-0)
An introduction to major theories of various treatment modalities including Reality therapy, Psycho-dynamic, grief therapy, Client-centered therapy, Rational-Emotive Therapy, cognitive-behavioral approaches such as life skills training, behavior modification, and the introduction to experiential therapies as they relate to detoxification, residential, outpatient, and extended treatment. Prerequisite or Co-requisite: DAAC 1319.

DAAC 1319 Introduction to Alcohol and Other Drug Addiction
3 Hours (3-0)
Causes and consequences of addiction as they are related to the individual, family, community, and society are discussed. Response alternatives regarding intervention, treatment, education, and prevention are reviewed. Competencies and requirements for licensure in Texas are explained. Addiction issues related to diverse populations are presented.

DAAC 1380 Cooperative Education
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and the student. Under supervision of the college and employer, the student combines classroom learning with work experience. The knowledge, skills and attitudes directly related to the profession will guide the student through the work experience. Prerequisite: Proof of Licensed Chemical Dependency Counselor Intern status.

DAAC 1381 Cooperative Education II
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and the student. Under supervision of the college and employer, the student combines classroom learning with work experience. The knowledge, skills and attitudes directly related to the profession will guide the student through the work experience. Prerequisite: 'P' in DAAC 1380.

DAAC 2166 Practicum I
1 Hour (0-10)
Practical general training and experiences in the workplace. The college with the employer develops and documents an individualized plan for the student. The plan relates the workplace training and experiences to the student's general and technical course of study. The guided external experiences may be paid or unpaid. This course will focus on the 12 core functions of the addictions counselor and help prepare for the State of Texas oral exam. Student liability insurance purchased through Midland College is required for students enrolled in DAAC 2166. Pre-requisite: Successful completion of 18 semester hours of DAAC specialty courses, passing with an average of at least a 3.0 in all DAAC courses. Co-requisite: DAAC 2271.

DAAC 2167 Practicum II
1 Hour (0-10)
Practical general training and experiences in the workplace. The college with the employer develops and docu-ments an individualized plan for the student. The plan relates the workplace training and experiences to the stu-dent's general and technical course of study. The guided external experiences may be paid or unpaid. This course will focus on the case presentation that is required for licensure in Texas. Student liability insurance purchased through Midland College is required for students

enrolled in DAAC 2167. Pre-requisite: Successful completion of 18 semester hours of DAAC specialty courses, passing with an average of at least a 3.0 in all DAAC courses and completion of DAAC 2166. Co-requisite: DAAC 2272.

DAAC 2271 Core Functions
2 Hours (2-0)
Classroom lectures will prepare the student for written and oral testing. The registration process and completion of an Oral Presentation that meets the guidelines of the certification board. In addition, these workplace experiences will be processed in the classroom. Students will categorize previously learned knowledge from prior DAAC courses into a framework that will be applied for the counseling and state examination experience. Co-requisite: DAAC 2166.

DAAC 2272 Case Presentation Method
2 Hours (2-0)
Classroom lectures will prepare the student for written and oral testing at the state level and the registration process and completion of a Case Presentation that meets the guidelines of the certification board. In addition, these workplace experiences will be processed in the classroom. Prerequisite: DAAC 2271. Co-requisite: DAAC 2167.

DAAC 2307 Addicted Family Intervention
3 Hours (3-0)
An introduction to the family as a dynamic system focusing on the effects of addiction pertaining to family roles, rules, and behavior patterns. Discuss the impact of mood altering substances and behaviors and therapeutic alternatives as they relate to the family from a multicultural and transgenerational perspective. Prerequisite or Co-requisite: DAAC 1319.

DAAC 2330 Multicultural Counseling
3 Hours (3-0)
Cross-cultural competency skills and cultural diversity-training for specific use with persons of a different race or ethnicity than the counselor. Courses and class activities will be focused on specific race-ethnicity based cultures and subcultures, reducing or ameliorating the effects of racism, and development of specific cross-cultural competencies.

DAAC 2380 Cooperative Education III
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and the student. Under supervision of the college and employer, the student combines classroom learning with work experience. The knowledge, skills and attitudes, directly related to the profession will guide the student through the work experience. Prerequisite: "P" in DAAC1380.

DAAC 2381 Cooperative Education IV
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and the student. Under supervision of the college and employer, the student combines classroom learning with work experience. The knowledge, skills and attitudes, directly related to the profession will guide the student through the work experience. Prerequisite: "P" in DAAC2380.

DAAC 2441 Counseling Alcohol and Other Drug Addictions
4 Hours (3-3)
This course will focus on special skills and techniques in the application of counseling skills for the Alcohol and Other Drug (AOD) client. Design and utilization of treatment planning using a treatment team approach will be introduced. Confidentiality and ethical issues will be reviewed and practiced. Prerequisite or Co-requisite: DAAC 1319.

DAAC 2454 Dynamics of Group Counseling
4 Hours (3-3)
An introduction to the patterns and dynamics of group interactions across the life span. Focus includes group therapy, structure, types, stages, development, leadership, therapeutic factors, the impact of groups on the individual, group growth, and behavior. Effective group facilitation skills and techniques used to address special population issues and needs are covered. Effective case management and record keeping are addressed. Prerequisite or Co-requisite: DAAC 2441.

DEMR 1305 Basic Electrical Systems
3 Hours (2-4)
Basic principals of electrical systems of diesel powered equipment with an emphasis on starters, alternators, and batteries. Students will perform circuit analysis, identify electrical symbols and use specialized tools to test various electrical circuits. Co-requisite: DEMR 1306.

DEMR 1306 Diesel Engine I
3 Hours (2-4)
An introductory course on diesel engines covering the basic principals and systems. Students will learn the history of diesel engines, systems and evolution, and how they function. Utilize precision instruments to diagnose and repair basic systems and engines.

DEMR 1310 Diesel Engine Testing and Repair I
3 Hours (2-4)
Introduction to testing and repairing diesel engines including related systems and specialized tools. Learn to identify, inspect, test and measure, and disassemble engine parts.

DEMR 1317 Basic Brake Systems
3 Hours (2-4)
Basic principals of brake systems of diesel powered equipment with an emphasis on maintenance, repairs, and troubleshooting. Understand the basic theory and operation of the brake systems, diagnose brake components for wear and usability, repair brake components by rebuilding or replacing parts, and adjust brake components.

DEMR 1321 Power Train I
3 Hours (2-4)
Fundamental repair and theory of power trains including clutches, transmissions, drive shafts, and differentials. Emphasis on inspection and repair. Prerequisite: DEMR 1306.

DEMR 1330 Steering and Suspension I
3 Hours (2-4)
An introductory course covering the design, functions, and repair of steering suspension systems. Students will troubleshoot and repair failed components or replace parts on various steering and suspension systems.

DEMR 1335 Automatic Power Shift and Hydrostatic Transmissions I
3 Hours (2-4)
A study of the operation, maintenance, and repair of automatic power shift hydrostatic transmissions. Prerequisite: DEMR 1306

DEMR 1323 Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair
3 Hours (2-4)
Introductory course on heating, ventilation and air conditioning theory, testing, and repair. Emphasis on refrigerant reclamation, safety procedures, specialized tools, and repairs.

DEMR 2312 Diesel Engines Testing and Repair II
3 Hours (2-4)
Coverage of testing and repairing diesel engines including related systems specialized tools. Learn to disassemble and reassemble engine parts. Prerequisite: DEMR 1310.

DEMR 2332 Electronic Controls
3 Hours (2-4)
Advanced skills in diagnostic and programming techniques of electronic control systems. Prerequisite: DEMR 1305

DEMR 2334 Advanced Diesel Tune-Up and Troubleshooting
3 Hours (2-4)
Advanced concepts and skills required for tune-up and troubleshooting procedures of diesel engines. Emphasis on the science of diagnostics using specialized tools and advanced concepts. Prerequisite: DEMR 1310.

DFTG 1305 Technical Drafting
3 Hours (2-4)
Introduction to the principles of drafting to include terminology and fundamentals, projection methods, geometric construction, sections, auxiliary views, and reproduction processes.

DFTG 1309 Basic Computer-Aided Drafting
3 Hours (2-4)
An introduction to basic computer-aided drafting. Emphasis is placed on drawing setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinating systems; as well as input and output devices. Co-requisite: DFTG 1305. Software: Current release of AUTOCAD.

DFTG 1317 Architectural Drafting - Residential
3 Hours (2-4)
Architectural drafting procedures, practices, and symbols, including preparation of detailed working drawings for residential structure with emphasis on light frame construction methods. Prerequisite: DFTG 1309. Software: Current release of AUTOCAD Architectural and Impressions.

DFTG 1345 Parametric Modeling and Design
3 Hours (2-4)
Use of parametric-based design software for 3D design and drafting. Emphasis on the parametric modeling techniques used to create rendered assemblies, orthographic drawings, auxiliary views. and details from 3-dimensional models. Prerequisite: DFTG 2340. Software: Current release of Inventor.

DFTG 1325 Blueprint Reading and Sketching
3 Hours (3-0)
An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings.

DFTG 1391 Special Topics in Drafting
3 Hours (2-4)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

DFTG 2302 Machine Drafting
3 Hours (2-4)
Production of detail and assembly drawings of machines, threads, gears, cams, tolerances and limit dimensioning, surface finishes, and precision drawings. Prerequisite: DFTG 1309. Software: Current release of AUTOCAD.

DFTG 2306 Machine Design
3 Hours (2-4)
Theory and practice of design. Projects in problem-solving, including press fit, bolted and welded joints, and transmission components. Prerequisites: DFTG 2340 Software: Current release of Inventor.

DFTG 2319 Intermediate Computer Aided Drafting
3 Hours(2-4)
A continuation of practices and techniques used in basic computer-aided drafting including the development and use of prototype drawings, construction of pictorial drawings, extracting data, and basics of 3D. Produce 2D and 3D drawings, pictorial drawings; use external referencing of multiple drawings to construct a composite drawing; and import and extract data utilizing attributes. Prerequisite: DFTG 1309. Software: Current relase of Autocad.

DFTG 2321 Topographical Drafting
3 Hours (2-4)
Plotting of surveyors field notes, plotting elevations, contour drawings, plan and profiles, and laying out traverses. Develop map data using specific software. Prerequisite: DFTG 1309 Software: Current release of AUTOCAD, Civil 3D, and Raster.

DFTG 2323 Pipe Drafting
3 Hours (2-4)
A study of pipe fittings, symbols, specifications and their applications to a piping process system. This application will be demonstrated through the creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics. Prerequisite: DFTG 1309 Software: Current release of AUTOCAD, CADWORX Plant, and P & ID.

DFTG 2331 Advanced Technology In Architectural Design & Drafting
3 Hours (2-4)
Use of Architectural specific software to execute the elements required in designing standard architecture exhibits utilizing custom features to create walls, windows and specific design requirements for construction in residential and light commercial architecture. Prerequisite: DFTG 1317 Software: Current release of AUTOCAD Architectural and Revit.

DFTG 2338 Final Project - Advanced Drafting
3 Hours (1-4)
A comprehensive project course in which the student will develop a project from conception to conclusion. Prerequisite: Consent of instructor. Capstone course.

DFTG 2340 Solid Modeling/Design
3 Hours (2-4)
A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work. Prerequisite: DFTG 1309 Software: Current release of AUTOCAD and INVENTOR.

DFTG 2345 Advanced Pipe Drafting
3 Hours (2-4)
A continuation of pipe drafting concepts building on the basic principles acquired in pipe drafting, process flow diagrams; solve design implementation problems; apply appropriate codes and standards. Prerequisite DFTG 2323 and DFTG 2340. Software: CADWORX Plant and P & ID.

DFTG 2371 Exploration Graphics
3 Hours (2-4)
An advanced course dealing with the techniques involved in plotting surveyor's notes, traverses, profiles, isometric sections, advanced projections, cross sections, and subsurface contours. The student will have the skill and knowledge to properly reproduce and display exploration data on a map while using a CAD system. Prerequisite: DFTG 1309 and 2321. Software: Current release of AUTOCAD, Civil 3D, and ARC GIS Desktop.

DFTG 2380 & 2381 Cooperative Work Experience, I, II
3 Hours (1-0-20)
This course is a study of the basic career-related activities encountered in the area of Drafting. The individual is required to work for wages in a Drafting trade area for at least 20 hours per week under the supervision of the college and employer. Seminar meets one hour per week. Prerequisites: Approval of Dean and concurrent enrollment in a Drafting-related course.

DMSO 1302 Basic Ultrasound Physics
3 Hours (3-0-0)
This course covers basic acoustical physics and acoustical waves in human tissue with an emphasis on ultrasound transmission in soft tissues, attenuation of sound energy, parameters affecting sound transmission, and resolution of sound beams.

DMSO 1360 Clinical I
3 Hours (0-0-15)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

DMSO 1361 Clinical II
3 Hours (0-0-18)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: DMSO 1360.

DMSO 1405 Sonography of Abdominopelvic Cavity
4 Hours (3-2-0)
This course is a detailed study of normal and pathological abdominal and pelvic structures as related to scanning techniques, patient history, and laboratory data, transducer selection, and scanning protocols.

DMSO 1442 Intermediate Ultrasound Physics
4 Hours (3-3-0)
This course is a continuation of the study of acoustical physics. Topics include interaction of ultrasound with tissues, the mechanics of ultrasound production and display, various transducer designs and construction, quality assurance, bioeffects and image artifacts. Methods of Doppler flow analysis may be introduced. Prerequisite: DMSO 1302.

DMSO 2351 Doppler Physics
3 Hours (3-0-0)
This course emphasizes Doppler and hemodynamic principles relating to arterial and venous imaging and testing.

DMSO 2353 Sonography of Superficial Structures
3 Hours (3-0-0)
This course is a detailed study of normal and pathological superficial structures as related to scanning techniques, patient history, and laboratory data, transducer selection, and scanning protocols. Prerequisite: DMSO 1405.

DMSO 2354 Neurosonology
3 Hours (3-0-0)
This course is a detailed study of normal and pathological neonatal head structure. Vascular methodology will be discussed. Prerequisite: DMSO 2353.

DMSO 2357 Advanced Ultrasound Professionalism and Registry Review
3 Hours (3-1-0)
This capstone course covers the Sonographic profession principles and the scope of practice including legal and ethical issues for the sonographer. The following topics will also be covered in the course: department management procedures; application of advanced techniques and instrumentation; ergonomics of scanning and injury prevention; and essential concepts of registry preparation.

DMSO 2405 Sonography of Obstetrics/Gynecology
4 Hours (4-1-0)
This course is a detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. Prerequisite: DMSO 1405.

DMSO 2460 Clinical III
4 Hours (0-0-23)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: DMSO 1361.

DMSO 2461 Clinical IV
4 Hours (0-0-22)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: DMSO 2460.

DRAM 1120, 1121, 2120, 2121 Rehearsal and Performance I, II, III, IV
1 Hour (0-3)
This is a practicum course that is designed to provide students with hands-on practical experience in theatre. Students will be assigned to specific duties as either a cast or crew member for productions at Midland College and Midland Community Theatre. Work hours can be tailored to an individual's particular schedule. Students may repeat this course for up to four hours' credit.

DRAM 1310 Theatre Appreciation
3 Hours (3-0)
This course is an introduction to theatre, designed to give students an understanding and appreciation for theatre as an art form and career choice. Students will study theatre practice and dramatic literature from various genres and periods and view at least one live performance.

DRAM 1330 Stagecraft I
3 Hours (3-0)
This course covers all basic areas of the art of stagecraft, including elementary drafting, scenic construction, carpentry, lighting, material selection and application, properties, costumes, sound, and elementary design.

DRAM 1351 Acting I
3 Hours (3-0)
Students are introduced to the basic skills and techniques of acting that are developed with individual work in the use of mind, body, and voice. Exercises in improvisation, relaxation, and open scenes illustrate and stress the importance of the working process.

DRAM 1352 Acting II
3 Hours (3-0)
This course is a continuation of Acting I with further development of mind, body, and voice. Students will also learn the process of character analysis through the preparation and performance of scenes from plays. Prerequisite: DRAM 1351 or permission of the instructor.

DRAM 2331 Stagecraft II
3 Hours (3-0)
Study and application of visual aesthetics of design which may include the physical theater, scenery construction and painting, properties, lighting, costume, makeup, and backstage organization.

DRAM 2336 Voice and Movement
3 Hours (3-0)
This course focuses on understanding the application of the performer's use of the voice and body as effective creative instruments of effective communication. It encourages an awareness of the need for vocal proficiency and teaches techniques to improve speaking and mobility on stage.

DRAM 2361 History of the Theatre I
3 Hours (3-0)
This course covers the history of the theatre from the earliest times through the Renaissance, examining different aspects of the theatre such as historical staging and techniques, styles of acting, social and cultural context of drama, and themes and genres of plays produced.

DRAM 2362 History of the Theatre II
3 Hours (3-0)
This course is a continuation of History of the Theatre I, covering the time period from the Renaissance to the present.

DRAM 2366 Introduction to Film
3 Hours (3-1)
This course is an introduction to cinema, designed to give students an understanding and appreciation for cinema as an art form. Students will study the visual, aural, dramatic narrative, sociological, and historical elements of cinema. Students will study the terminology and techniques of filmmaking and will study various genres by viewing films.

DVLP 0190 Strategic Studies
1 Hour (1-0)

DVLP 0290 Strategic Studies
2 Hours (2-0)

DVLP 0390 Strategic Studies
3 Hours (3-0)
These one, two, or three-credit hour courses above are designed to teach students how to enhance their prospects of being successful in college. The techniques that are taught include general-purpose learning strategies and content specific strategies. Computer related activities and instruction complement traditional methods of instruction.

ECON 2301 Principles of Macroeconomics
3 Hours (3-0)
The student will study macroeconomic concepts as they relate to the aggregate economy. Topics will include the public sector, GDP measurements, the Federal Reserve System, inflation and unemployment, and the different approaches to public policy.

ECON 2302 Principles of Microeconomics
3 Hours (3-0)
The students will study microeconomic theory and the operation of individual firms and industries. Topics will include supply and demand, opportunity costs, the concept of utility, cost curves and revenue curves, and the various forms of business organizations.

EDUC 1301 Introduction to the Teaching Professions
3 Hours (3-1)
An enriched integrated pre-service course designed to provide active recruitment and institutional support for students interested in a teaching career, Early Childhood (EC)-12. This Course meets State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Includes 16 contact hours of field experience.

EDUC 2301 Introduction to Special Populations
3 Hours (3-1)
An enriched integrated pre-service course that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity and equity with an emphasis on factors that facilitate learning. Content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and includes 16 contact hours of field experience. Prerequisite: EDUC 1301.

ELMT 1305 Basic Fluid Power
3 hours (2-2)
Basic fluid power course covering pneumatic and hydraulic systems, fluid power symbols, operating theory, components, and basic electrical and manual controls. Students will identify fluid power symbols; demonstrate knowledge of basic fluid power theory; demonstrate knowledge of component operation; generate basic fluid power circuits; and demonstrate fluid power circuits using electrical and manual controls.

ELMT 1370 Electromechanical Safety & Repair
3 hours (2-2)
Safe handling of electromechanical equipment and material. Focuses on safety, regulations, and proper materials handling. Includes basic mechanical skills and repair techniques common to most fields of energy maintenance. Includes precision measuring instruments and general safety rules common in industry. Students will identify and use various hand and power tools; identify and use precision measuring instruments; and demonstrate proper lock-out/tag-out procedures.

ELMT 1371 Automation
3 hours (2-2)
Electrical and electronic principles and basic programming techniques. Includes terminology, classification, basic components, control systems, alternating current and hydraulic servomechanisms, programming, sensors, types of drive, and safety and design procedures. The student will demonstrate integration of automated systems; describe operations and applications of hydraulic and electro-hydraulic controls; maintain, troubleshoot, repair, or replace electrical devices found in automated systems; and apply programming techniques.

ELMT 2339 Advanced Programmable Logic Controllers
3 hours (2-4)
Advanced applications of programmable logic controllers as used in industrial environments including concepts of programming, industrial applications, troubleshooting ladder logic, and interfacing to equipment. Students will develop ladder logic to utilize advanced PLC functions; compose a ladder logic program to demonstrate an advanced industrial control application; apply advanced programming techniques for specialized applications. Prerequisite ELMT 1371..

ELMT 2370 Pumps and Electromechanical Drives
3 hours (2-2)
A study of basic electro-mechanical devices found in energy-related equipment. Includes pumps, compressors, and components of mechanical power transmission systems. The student will describe the operation and characteristics of mechanical power transmission systems and troubleshoot problems with pumps, compressors, and mechanical drives.

ELMT 2371 Electromechanical Troubleshooting
3 hours (2-2)
Techniques used to troubleshooting various types of mechanical, electrical, hydraulic, and pneumatic systems and their control devices. Emphasizes the use of schematics and diagrams in conjunction with proper troubleshooting procedures.The student will spply proper test equipment for problem analysis; find test point locations and perform troubleshooting procedures using schematics and diagrams; isolate faults; and perform routine maintenance.

EMAP 1400 Principles of Basic Emergency Management
4 Hours (4-0)
Overview of the Texas Emergency Management System and the concepts of emergency management and its intergration of systems, basic definitions, identification of hazards, role of the local emergency manager, including interaction among various government entities. This course is equivalent to the Texas Department of Emergency Management and the Federal Agency courses G230 and G610.

EMAP 1440 Disaster Exercise Design and Evaluation
4 Hours (4-0)
Twelve-step process in the development of emergency management exercises, beginning with assessing a jurisdiction's exercise needs and continuing through criteria-based evaluation and after-action reporting. Provides students with detailed information concerning the system for command, control, and coordination of emergency response. This course is equivalent to the Texas Department of Emergency Management and the Federal Agency course G920.

EMAP 2300 Developing Volunteer Resources and Decision Making
3 Hours (3-0)
Management of volunteer services. Emphasizes decision-making, problem solving, and effective donation management planning and implemtation. This course is equivalent to the Texas Department of Emergency Management and the Federal Emergency Management Agency courses G241 and G288.

EMAP 2301 Leadership and Effective Communication
3 Hours (3-0)
Analysis of personal and group dynamics in an emergency management setting. Examines the interpretation of the spoken and unspoken word and the effective utilization of public information processes of print, radio, and television media. This course is equivalent to the Texas Department of Emergency Management and the Federal Management Agency courses G240 and G242.

EMAP 2355 Disaster Recovery
3 Hours (3-0)
Policies, concepts, and procedures of recovery. Addresses the various federal and state assistance programs. Emphasizes coordination of damage assessment, preparing documentation, and recovery procedures. This course is equivalent to the Texas Department of Emergency Management and the Federal Management Agency course G620.

EMSP 1145 International Trauma Life Support
1 Hour (1-0-0)
This course covers the theory and skills necessary for the management of trauma emergencies as specified by International Trauma Life Support (ITLS) guidelines.

EMSP 1147 Pediatric Advanced Life Support
1 Hour (1-0-0)
This course covers the theory and skills necessary for the management of pediatric emergencies as specified by the American Heart Association guidelines. This course was designed to be repeated multiple times to improve student proficiency.

EMSP 1355 Trauma Management
3 Hours (2-2-0)
This course is a detailed study of the knowledge and skills in the assessment and management of patients with traumatic injuries. Prerequisite: Admission to the program.

EMSP 1356 Patient Assessment and Airway Management
3 Hours (2-2-0)
This course is a detailed study of the knowledge and skills required to perform patient assessment and airway management. Prerequisite: Admission to the program.

EMSP 1360 EMT Clinical
3 Hours (0-0-9)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical experience is an unpaid learning experience. Prerequisite: Admission to the program.

EMSP 1438 Introduction to Advanced Practice
4 Hours (3-2-0)
This course is an exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital. Prerequisite: Admission to the program.

EMSP 1501 Emergency Medical Technician - Basic
5 Hours (4-4-0)
This course is an introduction to the level of Emergency Medical Technician (EMT) - Basic. It includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. Prerequisite: Admission to the program.

EMSP 2135 Advanced Cardiac Life Support
1 Hour (0-2-0)
This course covers the theory and skills necessary for the management of cardiovascular emergencies as specified by the American Heart Association (AHA) guidelines. This course was designed to be repeated multiple times to improve student proficiency. Prerequisite: Admission to the program.

EMSP 2163 Paramedic Clinical III
1 Hour (0-0-3)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisite: EMSP 2262.

EMSP 2243 Assessment Based Management
2 Hours (3-0-0)
This course is designed to provide instruction in comprehensive, assessment based patient care management. The course includes specific care in dealing with pediatric, adult, geriatric, and special needs patients. Prerequisite: Admission to the program.

EMSP 2248 Emergency Pharmacology
2 Hours (2-0-0)
A comprehensive course covering all the utilization of medications in treating emergency situations.

EMSP 2260 Paramedic Clinical I
2 Hours (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisite: Admission to the program.

EMSP 2262 Paramedic Clinical II
2 Hours (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisite: EMSP 2260.

EMSP 2263 Paramedic Clinical IV
2 Hours (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision00n is provided by the clinical professional. Prerequisite: EMSP 2262.

EMSP 2338 EMS Operations
3 Hours (3-0-0)
This capstone course is a detailed study of the knowledge and skills required to safely manage the scene of an emergency. Prerequisite: Admission to the program.

EMSP 2434 Medical Emergencies
4 Hours (3-2-0)
This course is a detailed study of the knowledge and skills in the assessment and management of patients with medical emergencies. Prerequisite: Admission to the program.

EMSP 2444 Cardiology
4 Hours (3-2-0)
This course covers assessment and management of patients with cardiac emergencies. Topics include basic dysrhythmia interpretation, recognition of 12-lead EKGs for field diagnosis, and electrical and pharmacological interventions. Prerequisite: Admission to the program.

ENGL 0181 Intermediate Writing II
1 Hour (0-1)
Required for student taking ENGL 1301 under the "C" or better option. Student must make a "C" in this course and a "C" in ENGL 1301 to fulfill college writing readiness requirement.

ENGL 0280 Intermediate Writing I
2 Hours (0-2)
A writing-intensive lab course designed to prepare the student for college writing readiness. Prerequisite: ENGL 0371/0371.

ENGL 0370 Developmental Writing I
3 Hours (3-1)
A course designed to assist students to become more proficient in grammar, mechanics, expository writing, vocabulary, and critical reading. Students are required to work on writing, vocabulary, grammar, and punctuation in writing lab.

ENGL 0371 Developmental Writing II
3 Hours (3-1)
A course designed to assist students to become more proficient in grammar, mechanics, expository writing, vocabulary, and critical reading. Students are required to work on writing, vocabulary, grammar, and punctuation in writing lab.

ENGL 1301 Composition and Rhetoric
3 Hours (3-0)
A course designed to help students develop reading and writing skills by studying diction, syntax, paragraph development, grammar, vocabulary and essay organization and by writing expository paragraphs and essays. Course assignments will include a minimum of 6000 words of writing. Prerequisite: 220+ THEA Writing **and** 230 THEA Reading **or** 70/6 Compass Writing **and** 81 Compass Reading **or** successful completion of developmental education sequence. Co-requisite: ENGL 0181, when taken as culmination of developmental education sequence.

ENGL 1302 Composition and Literature
3 Hours (3-0)
A course designed to enable students to further their composition skills by writing multi-paragraph essays, including a research paper; to write logically; and to read, research, analyze, and discuss the literary genres of poetry, short fiction, and drama. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.

ENGL 2307 Creative Writing
3 Hours (3-0)
A course designed to enable students to investigate and discuss the creative process, to study and practice techniques of creative writing; and to read, analyze, discuss, and write two or more of the following: narrative essays, poems, short stories, and researched reviews/abstracts. Course assignments will include a minimum of 6000 words of writing. Credit will be given only once for ENGL 2307.

ENGL 2308 Advanced Studies in Creative Writing
3 Hours (3-0)
An advanced course designed to enable students to investigate and discuss the creative Process; to study and practice techniques of creative writing; and to read, analyze, discuss, and write one or more of the following: narrative essays, poems, short stories, and plays. Credit will be given only once for ENGL 2308. Prerequisite: ENGL 1301.

ENGL 2311 Technical Writing
3 Hours (3-0)
A course designed to enable students to organize and prepare basic technical materials in the following areas: abstracts; proposals, technical descriptions, instructional processes, informational processes, technical definitions, progress reports; formal technical reports, graphics, and business correspondence. Course is designed also to enable students to analyze audience and present oral reports. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.

ENGL 2314 Technical & Business Writing I
3 Hours (3-0)
First semester of a study designed to enable students to organize and prepare materials for college-level scientific, technical, or business writing. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.

ENGL 2315 Technical & Business Writing II
3 Hours (3-0)
Second semester of a study designed to enable students to organize and prepare materials for college-level scientific, technical, or business writing. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 2314.

ENGL 2321 Masterworks of British Literature
3 Hours (3-0)
The study of longer significant works of British literature, including study of movements, schools, or periods. Prerequisite: ENGL 1302. Course assignments will include a minimum of 6000 words of writing.

ENGL 2322 British Literature Anglo-Saxon Period through Neo-Classical
3 Hours (3-0)
A course designed to enable students to develop a historical perspective on the development of ideas and literary techniques by studying major authors, works, and trends in English literature from the Anglo-Saxon Period through the Neo-classical Age. Students will develop their critical thinking, research, and writing skills. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2323 British Literature Romantic Period through Contemporary
3 Hours (3-0)
A course designed to enable students to attain a historical perspective on the development of ideas and literary techniques by studying major authors, works, and trends in English literature from the late 18th century through the 20th century. Students will develop critical thinking, research, and writing skills. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2326 Masterworks of American Literature
3 Hours (3-0)
A course designed to permit intensive study of six to ten masterpieces of American literature from the nineteenth and twentieth centuries. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2327 Survey of American Literature to 1860
3 Hours (3-0)
A course designed to acquaint the student with the varied works of American literature from the Colonial Period through 1860 within the historical and multicultural influences that shaped those works. Students will discuss, research, and write about literature from the period. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2328 Survey of American Literature 1860 through Contemporary
3 Hours (3-0)
A course designed to acquaint the student with the varied works of American literature from 1860 to the present within the historical and multicultural influences that shaped those works. Students will discuss, research, and write about literature from the period. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2331 World Literature
3 Hours (3-0)
A course designed to enable students through reading assignments, class discussion, and written analysis to develop critical skills and to research writers and developments in English translations of literatures other than those of the United States and Western Europe. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2332 Masterpieces of the Western World to 1600
3 Hours (3-0)
A course designed to enable students to read, view, listen to, analyze, and discuss significant works from the ancient world through the Renaissance and further their research and writing skills. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2333 Masterpieces of the Western World: 1600 through Contemporary
3 Hours (3-0)
A course designed to enable students to read, view, listen to, analyze, and discuss significant works in the major periods of the Western literary tradition since 1600. Neoclassicism, Romanticism, Realism/Naturalism, Modern/Contemporary and further their research and writing skills. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2342 Forms of Literature I
3 Hours (3-0)
The study of one or more literary genres including, but not limited to, poetry and fiction. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGL 2343 Forms of Literature II
3 Hours (3-0)
The study of one or more literary genres including, but not limited to, drama and film. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.

ENGR 2301 Statics
3 Hours (3-0)
Calculus-based study of composition and resolution of forces, equilibrium of force system, friction, centroids, and moments of inertia. Prerequisite: the first calculus-based physics course (PHYS 2425). Co-requisite: a second course in calculus.

ENGR 2302 Dynamics
3 Hours (3-0)
Calculus-based study of dynamics of rigid bodies, force-mass-acceleration, work-energy, and impulse-momentum computation. Prerequisite: Statics (ENGR 2301). Co-requisite a third course in calculus (MATH 2415).

ESL 0393 Academic ESL: Speaking and Listening
3 Hours (3-2)
This course is designed to develop basic English conversational skills in American cultural, employment, academic, and day-to-day situations for the beginning ESL student. Pronunciation, vocabulary, and simple sentence patterns will be emphasized. Lab assignments will be individualized.

ESL 0394 Academic ESL: Reading and Vocabulary
3 Hours (3-2)
This course is designed to develop basic reading comprehension, vocabulary, and study skills for non-native speakers of English and to prepare them to cope more effectively with reading requirements in other courses. Lab assignments will be individualized.

ESL 0395 Academic ESL: Grammar and Writing
3 Hours (3-2)
This course is designed to develop basic writing skills, including Standard English usage, and the application of grammar mechanics and vocabulary for non-native speakers of English in preparation for both academic and everyday writing. Lab assignments will be individualized.

ESL 0396 Academic ESL: Composition
3 Hours (3-2)
This course is designed to develop skills in expository writing and to prepare the advanced ESL student for college level composition. Vocabulary building, writing, literature, diction, and critical thinking are emphasized. Lab assignments will be individualized.

FIRS 1329 Firefighter Certification VI
3 Hours (2-2)
Fire Inspection techniques and practices. Emphasis on firecause determination. Includes fire protection systems, wild land fire, and pre-incident planning. Preparation for certification as a basic firefighter. Prerequisite: FIRS 1423. ***This Course may be offered only by institutions licensed as a fire academy by the Texas Commission on Fire Protection.***

FIRS 1343 Aircraft Rescue and Firefighting
3 Hours (1-8)
Principles and techniques of aircraft firefighting. Satisfies curriculum and training hour requirements for Texas Commission on Fire Protection's Aircraft Rescue Fire Suppression Certification. Describe the principles and techniques of aircraft firefighting; describe the procedures utilized in employing aircraft rescue operations; identify the inspection and maintenance procedures used in the maintenance of protective clothing; and identify response procedures to aircraft approach and emergency situations. This course required for working crash rescues at airports.

FIRS 1401 Firefighter Certification I
4 Hours (3-3)
An introduction to firefighter safety and development. Topics include Texas Commission on Fire Protection Rules and Regulations, firefighter safety, fire science, personal protective equipment, self contained breathing apparatus, and fire reports and records. Lab required. ***This course may be offered only by institutions licensed as a Fire Academy by the Texas Commission on Fire Protection.***

FIRS 1407 Firefighter Certification II
4 Hours (2-4)
The study of basic principles and skill development in handling fire service hose and ladders. Topics include the distribution system of water supply, basic building construction, and emergency service communication, procedures, and equipment. Lab required. Prerequisite: FIRS 1401 ***This course may be offered only by institutions licensed as a Fire Academy by the Texas Commission on Fire Protection.***

FIRS 1413 Fire Certification III
4 Hours (2-4)
Fire streams and pump operations as they relate to fundamental development of basic firefighter skills. Prerequisite: FIRS 1407. ***This Course may be offered only by institutions licensed as a fire academy by the Texas Commission on Fire Protection.***

FIRS 1419 Firefighter Certification IV
4 Hours (2-4)
A study of equipment, tactics, and procedures used in forcible entry, ventilation, salvage, and overhaul. Preparation for certification as a basic firefighter. Lab required. Prerequisite: FIRS 1413. ***This course may be offered only by institutions licensed as a Fire Academy by the Texas Commission on Fire Protection.***

FIRS 1423 Firefighter Certification V
4 Hours (2-4)
The study of ropes and knots, rescue procedures and techniques, and hazardous materials. Preparation for certification as a basic firefighter. Lab required. Prerequisite: FIRS 1419. ***This course may be offered only by institutions licensed as a Fire Academy by the Texas Commission on Fire Protection.***

FIRS 1433 Firefighter Certification VII
4 Hours (2-4)
An in-depth study and practice of simulated emergency operations and hands-on five fire training exercises, incident command procedures, and combined operations using proper extinguishing methods. Emphasis on safety. Lab required. Prerequisite: FIRS 1329. ***This course may be offered only by institutions licensed as a Fire Academy by the Texas Commission on Fire Protection.***

FIRS 2344 Driver / Operator - Pumper
3 Hours (2-2)
Principles and techniques of fire apparatus operations and theories. Satisfies curriculum and training hour requirements for the Texas Commission on Fire Protection driver/operator-pumper. Students will identify pump theory; calculate flows and pressures; perform apparatus inspection; demonstrate proper driving practices; perform proper pump operations.

FIRT 1301 Fundamentals of Fire Protection
3 Hours (3-0)
Study of the philosophy, history and fundamentals of public and private fire protection. Topics include statistics of fire and property loss, agencies involved in public and private protection, legislative development, departmental organization, training, and staffing. Required by the TCFP for Investigator.

FIRT 1302 Plan Examiner I
3 Hours (3-0)
Examination of plans submitted for approval by businesses, industry, or other regulated entities. Includes applicable codes and/or standards that meet certification requirements of the Texas Commission on Fire Protection.

FIRT 1303 Fire and Arson Investigation I
3 Hours (3-0)
In-depth study of basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination. Required by the TCFP for Inspector.

FIRT 1307 Fire Prevention Codes and Inspections
3 Hours (3-0)
Study of local building and fire prevention codes. Emphasis on fire prevention inspections, practices, and procedures. Required by the TCFP for Investigator.

FIRT 1309 Fire Administration I
3 Hours (3-0)
Introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer.

FIRT 1315 Hazardous Materials I
3 Hours (3-0)
Study for the chemical characteristics and behavior of various materials. Topics include storage, transportation, handling hazardous emergency situations, and the most effective methods of hazard mitigation. Required by the TCFP for Inspector and Investigator.

FIRT 1329 Building Codes and Construction
3 Hours (3-0)
Examination of building codes and requirements, construction types, and building materials. Topics include walls, floorings, foundations, and various roof types and the associated dangers of each. Required by the TCFP for Inspector and Investigator.

FIRT 1335 Introduction to Industrial Fire Protection
3 Hours (3-0)
Specific concerns and safeguards related to business and industrial organization and development, plan/layout, fire prevention programs, extinguishing factors and techniques, hazardous situations, and prevention methods.

FIRT 1338 Fire Protection Systems
3 Hours (3-0)
Study of fire detection, alarm, and extinguishing systems. Required by the TCFP for Inspector and Investigator.

FIRT 1342 Fire Officer I
3 Hours (3-0)
Focus on the requirements necessary for Fire Officer I certification as established by the Texas Commission on Fire Protection. Perform preliminary fire investigations, deploy assigned resources, and integrate a safety plan to ensure a safe work environment for firefighters.

FIRT 1343 Fire Officer II
3 Hours (3-0)
Focus on the requirements necessary for Fire Officer II certification as established by the Texas Commission on Fire Protection. Conduct fire inspections at a company level, determine origin, and preliminary cause.

FIRT 1345 Hazardous Materials II
3 Hours (3-0)
In-depth study of mitigation practices and techniques to effectively control hazardous material spills and leaks.

FIRT 1347 Industrial Fire Protection
3 Hours (3-0)
Study of industrial emergency response teams and specific concerns related to business and industrial facilities.

FIRT 1349 Fire Administration II
3 Hours (3-0)
In-depth study of fire service management as pertaining to budgetary requirements, administration, organization of divisions within the fire service, and relationships between the fire service and outside agencies.

FIRT 1353 Legal Aspects of Fire Protection
3 Hours (3-0)
Study of the rights, duties liability concerns, and responsibilities of public fire protection agencies while performing assigned duties. For Inspector Elective.

FIRT 1391 Special Topics in Fire Protection and Safety Technology
3 Hours (3-0)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. Learning outcomes/objectives are determined by local need and business and industry trends.

FIRT 2305 Fire Instructor I
3 Hours (3-0)
Preparation of fire and emergency services personnel to deliver instruction from a prepared lesson plan. Includes the use of instructional aids and evaluation instruments to meet the Texas Commission on Fire Protection requirements for Fire Instructor I certification.

FIRT 2309 Firefighting Strategies and Tactics I
3 Hours (3-0)
Analysis of the nature of fire problems and selection of ini-tial strategies and tactics including an in-depth study of efficient and effective use of manpower and equipment to mitigate the emergency.

FIRT 2331 Firefighting Strategies and Tactics II
3 Hours (3-0)
Continuation of Firefighting Strategies and Tactics I. Emphasis on use of incident command in large scale command problems and other specialized fire problems. Prerequisite: Firefighting Strategies and Tactics I.

FIRT 2333 Fire and Arson Investigation II
3 Hours (3-0)
Continuation of Fire and Arson Investigation I. Topics include reports, court room demeanor, and expert witnesses. Prerequisite: Fire and Arson Investigation I.

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FIRT 2351 Company Fire Officer
3 Hours (3-0)
A capstone course covering fire ground operations and supervisory practices. Includes performance evaluation of incident commander, safety officer, public information officer, and shift supervisor duties.

FIRT 2380 Cooperative Education - Fire Protection and Safety Technology/Technician
3 Hours (1-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. Prerequisite: Assigned by College. Capstone course.

FREN 1411 Elementary French I
4 Hours (3-4)
This course is for students who have no previous instruction in French. It is designed to acquaint the student with the four basic language skills: listening, speaking, reading, and writing with emphasis on speaking and comprehension. Grammar and vocabulary are presented through intensive drills in class and the Language Laboratory.

FREN 1412 Elementary French II
4 Hours (3-4)
This is a conversation course conducted primarily in French for the students who have completed French 1411 or its equivalent. Intensive oral-aural drill and classroom interaction will enable the student to master the lexical and grammatical structures necessary in carrying on conversations in French. Prerequisite: FREN 1411.

FREN 2303 Introduction to French Literature
3 Hours (3-0)
This course is designed for those students who wish to acquire a basic background in French literature and culture. The course includes the reading of cultural essays, short stories, and poetry that are the basis for class discussion and composition. Practice in speaking, reading, and writing provide for vocabulary expansion. Prerequisite: FREN 2312.

FREN 2311 Intermediate French I
3 Hours (3-2)
This course is conducted in French, and it includes a comprehensive review of French grammar and structure. Through classroom drill, discussion, and composition, the course emphasizes vocabulary expansion and the acquisition of a basic knowledge of French culture and literature. Prerequisite: FREN 1412.

FREN 2312 Intermediate French II
3 Hours (3-2)
Continuation of French 2311. Prerequisite: FREN 2311

GAME 1306 Design and Creation of Games
3 Hours (3-1)
Introduction to game and simulation development. Includes analysis of existing applications and creation of a game using an existing game engine. In-depth coverage of the essential elements of game design. Also covers an overview of cultural history of electronic games, survey of the major innovators, and examination of the trends and taboos that motivate game design. Students will be able to summarize the evolution of the electronic game industry, explain essential game and simulation elements, evaluate the strengths and limitations of game and simulation systems, identify programmatic and graphical elements of a development system, and develop a concept document and simple game.

GAME 2341 Game Scripting
3 Hours (3-1)
Scripting languages with emphasis on game concepts and simulations. Students will describe the role of scripts in the development of games, simulations, and other software; and apply appropriate scripting structure and syntax for game and/or simulation software development. Prerequisite: GAME 1306 or permission of instructor.

GEOG 1301 Physical Geography
3 Hours (3-0)
This course is designed to introduce students to the study of the processes driving physical systems on the earth and the interactions between these physical systems with an emphasis on human interaction with the physical environment.

GEOG 1303 World Regional Geography
3 Hours (3-0)
In this course, students will study the major world geographic regions with an emphasis on prevailing social and environmental conditions and developments. Included are emerging conditions and trends and the awareness of diversity. Course content may include one or more regions.

GEOL 1401 Earth Sciences I
4 Hours (3-3)
Survey of physical and historical geology, astronomy, meteorology, oceanography, and related sciences. This course is designed for non-science majors.

GEOL 1403 Physical Geology
4 Hours (3-3)
This course is designed to enable students to become familiar with the geologic features and processes of the earth. This is a foundation course for geology majors, and may also be taken by non-majors for lab science requirement.

GEOL 1404 Historical Geology
4 Hours (3-3)
This course is designed to enable students to become familiar with the geologic history of the earth. This is a foundation course for geology majors and may be taken by non-majors for lab science requirement. Prerequisite: GEOL 1403 or consent of instructor.

GEOL 1405 Environmental Science
4 Hours (3-3)
The study of environmental science is interdisciplinary. During the semester, the student will be presented with scientific information concerning the environment and the historical, social, political, and economic ramifications of environmental conflict. The course is suitable as an elective course in a science curriculum or as a required lab science for someone who is not majoring in science.

GEOL 1447 Meteorology
4 Hours (3-3)
Study of and practical experience in weather analysis, methods of instrumentation and observational meteorology. Lab fee required. This course is designed for non-science majors.

GEOL 2409 Mineralogy
4 Hours (3-3)
Introduction to physical, chemical, crystallographic properties, symmetry, and form, for identification and description of minerals. Chemical and physical processes governing classification origin and occurrence of minerals and rocks. Basic theories and techniques for determining optical constants of minerals using the petrographic microscope. Prerequisites: GEOL 1403.

GERM 1411 Elementary German I
4 Hours (3-4)
This course is for students who have no previous instruction in German. It is designed to acquaint the student with the four basic language skills: listening, speaking, reading, and writing with emphasis on speaking and comprehension. Grammar and vocabulary are presented through intensive drills in class and in the Language Laboratory.

GERM 1412 Elementary German II
4 Hours (3-4)
This is a conversation course conducted primarily in German for the student who has completed German 1411 or its equivalent. Intensive oral-aural drill and classroom interaction will enable students to master the lexical and grammatical structures necessary in carrying on conversations in German. Prerequisite: GERM 1411.

GERM 2311 Intermediate German I
3 Hours (3-2)
This course is conducted in German, and it includes a comprehensive review of German grammar and structure. Through classroom drill, discussion, and composition, the course emphasizes vocabulary expansion and the acquisition of a basic knowledge of German culture and literature. Prerequisite: GERM 1412.

GERM 2312 Intermediate German II
3 Hours (3-2)
A course designed to provide fluency in spoken and written German through intensive grammar presentation and review, through conversational practice, and through composition and reading. The course is conducted in German. Prerequisite: GERM 2311.

GOVT 2301 Federal and State Government I
3 Hours (3-0)
This course is a comparative investigation of federal and state government. It covers the foundation and development of the constitutions of the United States and Texas (federalism), local governments, political parties, and interest groups.

GOVT 2302 Federal and State Government II
3 Hours (3-0)
In this class students will study the legislative, executive (including the bureaucracy), and judicial systems of the U.S. and Texas, and selected problems of public policy.

GOVT 2304 Introduction to Political Science
3 Hours (3-0)
This course is the introduction to the study of political science as a discipline-political philosophy, the theory and organization of the modern state, comparative political systems, and international relations.

GOVT 2311 Mexican-American Politics
3 Hours (3-0)
This course examines the historical and socio-political culture, and the political experience of Mexican-Americans at the local, state, and national level in the United States.

GOVT 2389 Government Internship
3 Hours (3-4)
This course is designed to integrate on-campus study with practical hands-on experience in government. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of government.

GRPH 1359 Object Oriented Computer Graphics
3 Hours (2-4)
Mastery of the tools and transformation options of an industry standard draw program to create complex illustrations and follow them through to the color output stage. Mastery in the use of basic elements of good layout and design principles and use of the capabilities specific to vector (object oriented) drawing software to manipulate both text and graphics with emphasis on the use of bezier curves. Acquisition of images via scanning and the creative use of clip art is included.

HART 1380, 2380 Cooperative Education
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. The student is required to work for wages at least 20 hours per week in air conditioning, refrigeration or a related field.

HART 1391 Special Topics in Heating, Air Conditioning, and Refrigeration Technologies/Technicians
3 Hours (2-2)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

HART 1401 Basic Electricity for HVAC
4 Hours (3-3)
Principles of electricity as required by HVAC, including proper use of test equipment, electrical circuits, and component theory and operation. The class will begin with basic electricity and progress through the study of transformers, power distribution, electric motors, motor controls and circuitry. The student will be introduced to the proper operation of various electrical meters and test instruments. This course, and HART 1407 must be taken first as the prerequisite to all the HART classes.

HART 1407 Refrigeration Principles
4 Hours (3-3)
An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components and safety. The student will learn proper soldering and brazing techniques using oxy-acetylene and air-acetylene. The student will also be introduced to the proper use of hand tools and test instruments required in both service and installation. This course, and HART 1401 must be taken first as the prerequisite for all the other HART courses.

HART 1441 Residential Air Conditioning
4 Hours (3-3)
A study of components, applications, and installation of mechanical air conditioning systems including operating conditions, troubleshooting, repair, and charging of air conditioning systems. This course covers proper recovery, recycle, and reclaim procedures. The student will also study the chemical make-up of refrigerants and how they affect the atmosphere. Replacement refrigerants and the problems they pose will also be covered. The student will gain a working knowledge of the various components used in air conditioning and refrigeration systems. The student will study various refrigerant oils and the type refrigerants they are designed for. Prerequisite: HART 1401 and HART 1407.

HART 1445 Gas and Electric Heating
4 Hours (3-3)
A study of the procedures and principles used in servicing heating systems including gas fired and electric furnaces. The student will be introduced to proper testing and troubleshooting techniques. The class will cover proper wiring, gas controls, thermostats, spark ignition and venting procedures. Prerequisite: HART 1401.

HART 2434 Advanced Air Conditioning Controls
4 Hours (3-3)
Theory and application of electrical control devices, electromechanical controls and/or pneumatic controls. This course covers the proper methods for troubleshooting electrical control devices and control circuits. The student will study the correct wiring for components such as lock- out relays, oil failure controls, and thermostats. The student will be introduced to solid state controls and their functions. Prerequisite: HART 1401.

HART 2436 Air Conditioning Troubleshooting
4 Hours (3-3)
An advanced course in application of troubleshooting principles and use of test instruments to diagnose air conditioning and refrigeration components and system problems including conducting performance tests. The student will use knowledge gained from previous classes or industry experience in order to improve their skill in determining system problems. Prerequisite: HART 1441 and HART 2442.

HART 2442 Commercial Refrigeration
4 Hours (3-3)
Theory of and practical application in the maintenance of commercial refrigeration; medium, and low temperature applications and ice machines. The student will be introduced to various controls and components used in these applications. This course covers piping procedures, wiring, operation, and troubleshooting. The student will also study air cooled, water cooled, and evaporative condensers and their applications. Prerequisite: HART 1401 and HART 1407.

HART 2445 Air Conditioning Systems Design
4 Hours (4-0)
A study of the properties of air and results of cooling, heating, humidifying or dehumidifying; heat gain and heat loss calculations including equipment selection and balancing the air system. This course covers psychometrics and design procedures developed to select proper equipment for air conditioning systems. The student will be introduced to Manual J for heating and cooling loads. The student will also study proper duct sizing and design techniques. Prerequisite: HART 1401 or Instructor Approval. Capstone course.

HART 2449 Heat Pumps
4 Hours (3-3)
A study of heat pumps, heat pump control circuits, defrost controls, auxiliary heat, air flow, and other topics related to heat pump systems. This course covers specialized refrigeration systems such as heat pumps, cascade systems, chill water systems, and gas absorption systems. The student will learn the distinctive type controls and equipment necessary for these systems. Prerequisite: HART 1401 and HART 1407.

HIST 1301 United States History To 1877
3 Hours (3-0)
This course is a survey of U.S. history from the beginnings through Reconstruction. It includes such topics as the European heritage, the colonies in North America, the creation and development of the American nation, and the sectional differences that led to the Civil War and Reconstruction.

HIST 1302 United States History Since 1877
3 Hours (3-0)
This class is a survey of U.S. history from Reconstruction to the present. Topics include the development of the West, the growth of big business and its accompanying problems, American Imperialism, the causes and results of World Wars I and II, and the post war world. May be taken before 1301.

HIST 1316 History of Christianity
3 Hours (3-0)
This course is an historical survey of the development of Christianity and its role in world history, from its origins to the present time covering theological and institutional issues. Course may be taken for either credit or non-credit. Also PHIL 1316.

HIST 2301 Texas History
3 Hours (3-0)
This class covers the history of Texas from pre-Columbian times to the present. Topics will include native American cultures, colonization by Europeans, the Texas Republic, the Civil War, and modern Texas. Emphasis will be given to the roles of ethnic groups and women. May be substituted for one semester of U.S. History.

HIST 2311 Western Civilization I
3 Hours (3-0)
This course is a history of Western civilization before c. 1500, stressing the origin and development of political, economic, and religious institutions. The class also covers the theory and practice of historical research.

HIST 2312 Western Civilization II
3 Hours (3-0)
This course is a history of Western civilization since c. 1500, stressing imperialism, nationalism, revolution, and the rise of science. The class also covers the theory and practice of historical research.

Students may receive credit for only two of HIST 2321, HIST 2322, HIST 2323

HIST 2321 World Civilizations I
3 Hours (3-0)
This class surveys the origin and development of civilizations in Asia, Africa, Europe, and the Americas from the beginning to c 1500. Material stresses the origin and development of political, economic, and religious institutions. The class also covers the theory and practice of historical research.

HIST 2322 World Civilizations II
3 Hours (3-0)
This course continues the development of world civilizations in response to Western expansion from c. 1500. Topics stress imperialism, nationalism, revolution, and rise of science. The class also covers the theory and practice of historical research.

HIST 2323 Eastern Civilization
3 Hours (3-0)
This course is a history of Eastern civilization. It covers Islamic, Indian, Chinese, and Japanese civilizations from their beginnings to the present. The class also covers the theory and practice of historical research.

HIST 2327 Mexican- American History
3 Hours (3-0)
This course is a general survey of the experience of Americans of Mexican ancestry in the development of American society. The class will emphasize Native American and Spanish culture along with political, economic, and social events.

HITT 1167 Field Experience - Coding
1 Hour (0-0-7)
This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an unpaid learning experience. Prerequisite: HITT 1305, HITT 1301 and HITT 1341. Co-requisite: HITT 1345 and HITT 2335.

HITT 1253 Legal and Ethical Aspects of Health Information
2 Hours (2-0-0)
This course covers the concepts of privacy, security, confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information.

HITT 1255 Health Care Statistics
2 Hours (2-0-0)
This course will cover general principles of health care statistics with emphasis in hospital statistics. Skill development in computation and calculation of health data will also be covered. Prerequisite: Approval of program director.

HITT 1301, Health Data Content and Structure
3 Hours (2-2-0)
This course is an introduction to systems and processes for collecting, maintaining, and disseminating primary and secondary health related information. The course will cover instruction in delivery and organizational structure to include content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms, and screens. Prerequisite: Approval of program director.

HITT 1305 Medical Terminology I
3 Hours (3-0-0)
This course is a study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties, and diagnostic procedures.

HITT 1311 Computers in Health Care
3 Hours (2-2-0)
This course is an introduction to the concepts of computer technology related to health care data and the tools and techniques for collecting, storing, and retrieving health care data. Prerequisite: ITSC 1409, BCIS 1405, or COSC 1401.

HITT 1341 Coding and Classification Systems
3 Hours (2-4-0)
This course covers an application of basic coding rules, principles, guidelines, conventions and the assigning of appropriate ICD-9CM codes. Prerequisite: HITT 1305 and BIOL 2401 or SCIT 1407.

HITT 1342, Ambulatory Coding
3 Hours (3-2-0)
This course will cover basic ambulatory coding rules, conventions, and guidelines. Prerequisites: BIOL 2401 or SCIT 1407 and BIOL 2402 or SCIT 1408.

HITT 1345 Health Care Delivery Systems
3 Hours (3-0-0)
This course is an introduction to organization, financing, and delivery of health care services, accreditation, licensure, and regulatory agencies.

HITT 2260 Clinical I
2 Hours (0-0-9)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. This is an unpaid learning experience. Prerequisite: HITT 1253, 1305 and 1301.

HITT 2335, Coding and Reimbursement Methodologies
3 Hours (2-4-0)
This course covers the development of advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding prospective payment systems and methods of reimbursement. The assigning of appropriate ICD-9CM codes will also be covered in this course. Prerequisite: Approval of program director.

HITT 2339 Health Information Organization and Supervision
3 Hours (3-0-0)
This course covers the principles of organization and supervision of human, fiscal, and capital resources. Prerequisite: HITT 1301.

HITT 2340, Advanced Medical Billing and Reimbursement
3 Hours (3-0-0)
This course is a study of health insurance and reimbursement in various health care settings. It includes the study of coding skills to prepare reimbursement forms in various health care settings for submission to payers. Prerequisite: HITT 1341.

HITT 2343 Quality Assessment and Performance Improvement
3 Hours (2-3-0)
This course is a study of the many facets of quality standards and methodologies in the health information management environment. Topics will include licensing, accreditation, compilation and presentation of data in statistical formats, quality management and performance improvement functions, utilization management, risk management, and medical staff data quality issues. Prerequisite: HITT 1255 and 1301.

HITT 2361 Clinical II
3 Hours (0-0-10)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. This is an unpaid learning experience. Prerequisite: HITT 2260.

HMSY 1337 Introduction to Homeland Security
3 Hours (3-0)

Overview of homeland security. Evaluation of the progression of homeland security issues throughout Texas and the United States. An examination of the roles undertaken and methods used by governmental agencies and individuals to respond to those issues. Students will list the key events and people that have affected homeland security; outline the specific roles that individuals and governmental agencies play in homeland security; and prepare a summary of programs and methods used to meet the homeland security needs of Texas and the United States.

HMSY 1342 Understanding and Combating Terrorism 3 Hours (3-0)

Study of terrorism and reasons why America is a terrorist target. Includes methods of combating domestic and international terrorism terrorist operations, cyber-terrorism, narco-terrorism, the mind of the terrorist, and organized crime's impact on terrorism. Students will identify terrorist groups and organizations; examine terrorism's political, economic, and environmental impact on public administration and the private sector; identify the legal changes required to combat terrorism; and present the results of terrorism research.

HMSY 1343 Weapons of Mass Destruction
3 Hours (3-0)

This course covers hazard and risk assessment, crime scene preservation, chemical agents, biological agents, radiological agents, explosive devices, detection-sampling and plume models, and personal protection methods. The critical role of first responders in weapons of mass destruction, mitigation, and survival will also be presented. Discussion will include historical events related to the use of weapons of mass destruction. Students will identify weapons of mass destruction and means of dissemination; and compare the different biological, chemical, and radiological materials used in weapons of mass destruction.

HPRS 1106 Essentials of Medical Terminology
1 Hour (1-0-0)

This course is a study of common medical terminology, word origin, structure, and application.

HPRS 2200 Pharmacology for Health Professions
2 Hours (2-0-0)

This course is a study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Co-requisite: BIOL 2401 or VNSG 1420.

HPRS 2301 Pathophysiology
3 Hours (3-0-0)

This course is a study of the pathology and general health management of diseases and injuries across the life span. Topics will include etiology, symptoms, pharmacology and the physical and psychological reactions to diseases and injuries. Prerequisite: BIOL 2401 or SCIT 1407.

HUMA 1301 Humanities I
3 Hours (3-0)

"Humanities I" invites students to expand their appreciation of the cultural side of human experience on the premise that a complete education should stimulate the intellect as well as provide skills and job training. This course will offer selected, interrelated topics in philosophy, literature, religion, and the arts and sciences from ancient times to about the year 1500. Coverage will be interdisciplinary and multi cultural, and will include readings, various media, and performance.

HUMA 1302 Humanities II
3 Hours (3-0)

"Humanities II" complements Humanities I by inviting students to expand their appreciation of the cultural side of human experience still further on the premise that a complete education must stimulate the intellect as well as provide skills and job training. This course will offer selected and varying topics in philosophy, literature, religion, and the arts and sciences from about 1500 to the present. Coverage will be interdisciplinary and multi cultural, and will include readings, various media, and performance. THERE IS NO PREREQUISITE FOR THIS COURSE.

IMED 1316 Web Design I
3 hours (3-1)

Instruction in web design and related graphic design issues including mark-up languages, web sites, and browsers. Students will identify how the Internet functions with specific attention to the World Wide Web and file transfer; apply design techniques in the creation and optimization of graphics and other embedded elements; demonstrate the use of World Wide Web Consortium (W3C) formatting and layout standards; and design, create, test, and maintain a web site.

ITCC 1401 Cisco Exploration 1-Netword Fundamentals
4 Hours (3-3)

A course introducing the architecture, structure, functions, components, and models of the internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the applications, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling; perform basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. Students will identify and describe internet architecture, structure, functions, components, and models; describe the use of OSI and TCP layered models; identify and describe the nature and roles of protocols and services at the application, network, data link, and physical layers; describe principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations; and build simple LAN topologies by applying basic principles of cabling, device configuration, and IP subnetting.

ITCC 1404 Cisco Exploration 2-Routing Protocols and Concepts
4 Hours (3-3)

This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. Recognize and correct common routing issues and problems. Model and analyze routing processes. Students will describe the purpose, nature, and operations of a router; describe the purpose and nature of routing tables; describe the purpose and procedure of configuring static routes; design and implement a classless IP addressing scheme for a given network; describe the basis features and concepts of link-state routing protocols; and configure and verify basic RIPv1, RIPv2, single area OSPF, and EIGRP operations in a small routed network. Prerequisite: ITCC 1401.

ITCC 2408 Cisco Exploration 3 –LAN Switching and Wireless
4 Hours (3-3)

This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Detailed explanations of LAN switch operations, VLAN

implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced. Students will identify and correct common network problems at layers 1, 2, 3, and 7 using a layered model approach; select the appropriate media, cables, ports, and connectors to connect switches to other devices and hosts; perform and verify initial switch configuration tasks including remote access management; configure, verify, and troubleshoot VLANs, VLAN Trunking, Inter-VLAN routing, VTP, and RSTP; verify network status and switch operation using basic utilities (ping, traceroute, telnet, SSH, arp, ipconfig); identify and describe the purpose of the components in a small wireless network (SSID, BSS, ESS); and identify the basic parameters to configure on a wireless network to ensure that devices connect to the correct point. Prerequisite: ITCC 1404.

ITCC 2410 Cisco Exploration 4 – Accessing the WAN
4 Hours (3-3)

This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Describes user access technologies and devices and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. Discuss the special network services required by converged applications and an introduction to quality of service (QoS). Students will describe the impact of applications (Voice Over IP and Video Over IP) on a network; implement basic switch security (port security, trunk access, management vlan other than vlan1, etc.); configure, verify, and troubleshoot DHCP and DNS operation on a router (CLI/SDM); describe today's increasing network security threats and explain the need to implement a comprehensive security policy to mitigate the threats; configure and apply ACLs based on network filtering requirements (CLI/SDM); configure and apply an ACLs to limit telnet and SSH access to the router using (SDM/CLI); configure NAT for given network requirements using (CLI/SDM); configure and verify a basic WAN serial connection; configure and verify Frame Relay on Cisco routers; and describe VPN technology (importance, benefits, role, impact, components). Prerequisite: ITCC 2408.

ITNW 1351 Fundamentals of Wireless LANs
3 Hours (3-1)

A course in the designing, planning, implementing, operating, and troubleshooting of wireless LANs (WLANs). Includes WLAN design, installation, and configuration; and WLAN security issues and vendor interoperability strategies. The class will explain wireless technologies, topographies, and standards; design, install, configure, monitor, maintain, and troubleshoot wireless solutions; and implement wireless security using MAC filtering, WEP, LEAP, EAP, and 802.1x technologies. Prerequisite: ITCC 1402 or ITNW 1425.

ITNW 1380 Cooperative Education - Business Systems Networking and Telecommunications
3 Hours (1-0-20)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, and legal systems associated with the particular occupation and the business/industry; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable technical language of the occupation and the business or industry. Prerequisite: 12 semester credit hours.

ITNW 1425 Fundamentals of Networking Technologies
4 hours (3-2)

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. Students will identify and use network transmission media; explain the OSI model; Identify the characteristics of network topologies and protocols; identify the functions of a network operating system and distinguish between centralized, client/server, and peer-to-peer systems; and distinguish between Local Area Networks (LANs) and Wide Area Networks (WANs) and identify the components used to expand a LAN into a WAN.

ITNW 1454 Implementing and Supporting Servers
4 hours (3-3)

Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. Students will configure peripherals and devices; set up servers; configure directory replication; manage licensing; create and manage system policies, and profiles; administer remote servers and disk resources; create and share resources; implement fault-tolerance; configure servers for interoperability; install and configure Remote Access Service (RAS); and identify and monitor performance bottlenecks and resolve configuration problems.

ITSC 1191 Special Topics in Computer and Information Sciences, General
1 Hour (1-0)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. The Student will learn to use the Internet including performing simple searches, learn how to use the Microsoft Office Suite of application software, and learn how to organize files and folders.

ITSC 1407 UNIX Operating System I
4 Hours (3-3)

A study of the UNIX operating system including multiuser concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Topics include introductory systems management concepts. The student will demonstrate proper use of basic UNIX commands; define and apply terminal emulation; use the system editor to create script files; create and manage user accounts; and effectively manage the user file system.

ITSC 1409 Integrated Software Applications I
4 Hours (3-3)

Introduction to business productivity software suites using word processing, spreadsheets, databases, and/or presentation software. Students will use word processing, spreadsheet, database, and/or presentation software; and integrate applications to produce documents.

ITSC 2437 UNIX Operating System II
4 Hours (3-3)
Continued study of the UNIX operating system commands. Includes topics such as CGI and scripting languages. Students will solve intermediate problems using UNIX commands such as SED, AWK, and GREP from the command line and in the basic scripts; and develop CGI script using a scripting language. Prerequisite: ITSC 1407.

ITSE 1331 Introduction to Visual BASIC Programming
3 Hours (3-1)
Introduction of skills and practices related to Extensible Markup Language (XML). Includes Document Type Definition (DTD), well-formed and valid XML documents, XML schemes, and Extensible Style Language (XSL). Students will design and apply XML to create a markup language for data and document centric application; use XSL to transform XML documents to different formats including HTML, text, XML, and others; and render an XML document on a browser.

ITSE 1356 Extensible Markup Language (XML)
3 Hours (3-0)
Introduction of skills and practices related to Extensible Markup language (XML). Includes Document Type Definition (DTD), wellformed and valid XML documents, XML schemes, and Extensible Style Language (XSL). Students will design and apply XML to create markup language for data and document centric application; use XSL to transform XML documents to different formats including HTML, text XML, and others; and render and XML document on a browser.

ITSE 1380, 2380 Cooperative Education - Computer Programming/Programmer
3 Hours (1-0-20)
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, and legal systems associated with the particular occupation and the business/industry; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable technical language of the occupation and the business or industry. Prerequisite: 12 semester credit hours.

ITSE 1445 Introduction to Oracle SQL
4 Hours (3-3)
An introduction to the design and creation of relational databases using Oracle. Topics include storing, retrieving, updating, and displaying data using Structured Query Language (SQL). The student will write Structured Query Language (SQL) statements using Oracle; select and sort data; and produce reports with SQL Plus. The student will create and manage tables which include constraints; create Views and other database objects; and develop procedures and functions using PL/SQL.

ITSE 2313 Web Authoring
3 Hours (3-1)
Instruction in designing and developing web pages that incorporate text, graphics, and other supporting elements using current technologies and authoring tools. The student will create functional web pages and supporting elements using current authoring tools; and maintain web pages and supporting elements.

ITSE 2349 Advanced Visual BASIC Programming
3 Hours (3-1)
Advanced Visual Basic programming including file access methods, data structures, modular programming, program testing and documentation. Students will design and write Visual Basic programs containing data structures and input/output file handling; develop graphical user interfaces; and integrate external programs and libraries with Visual Basic applications. Prerequisite: ITSE 1331 and ITSE 2409..

ITSE 2409 Database Programming
4 Hours (3-3)
Database development using database programming techniques emphasizing database structures, modeling, and database access. Students will develop database applications using a structured query language; create queries and reports from database tables; implement data integrity; optimize query performance; create and maintain indexes; and create appropriate documentation.

ITSE 2447 Advanced Database Programming
4 Hours (3-3)
Database development using complex database programming techniques emphasizing multiple interrelated files, menu design, security implementation, and multiple access. Students will develop complex database applications using a structured query language; implement security and error trapping; and develop menu-driven database systems. Prerequisite: ITSE 1331 and ITSE 2409.

ITSE 2454 Advanced Oracle PL/SQL
4 Hours (3-3)
A continuation of Oracle SQL. Topics include hierarchical queries, set based queries, correlated subqueries, scripting, and scripting generation. The student will retrieve data including SET operators, correlated subqueries, and hierarchical queries; write SQL scripts that generate other SQL scripts; and write and execute a script that generates a script of drop table commands and insert commands; create procedures and functions; create a package to group together variables, cursors, exceptions, procedures, and functions; and invoke a package constraint. Prerequisite ITSE 1445.

ITSW 1401 Introduction to Word Processing
4 Hours (3-3)
An overview of the production of documents, tables, and graphics. The student will identify word processing terminology and concepts; create technical documents; format and edit documents; use simple tools and utilities; and print documents. Prerequisite: POFT 1227 or keyboarding skills.

ITSW 1404 Introduction to Spreadsheets
4 Hours (3-3)
Instruction in the concepts, procedures, and importance of electronic spreadsheets. The student will identify spreadsheet terminology and concepts; create formulas and functions; use formatting features; and generate charts, graphs, and reports.

ITSW 1407 Introduction to Database
4 Hours (3-3)
Introduction to database theory and the practical applications of a database. The student will identify database terminology and concepts; plan, define, and design a database; design and generate tables, forms, and reports; and devise and process queries. Prerequisite: Knowledge of software files management and keyboarding skills.

ITSW 1410 Presentation Media Software
4 Hours (3-3)
Instruction in the utilization of presentation software to produce multimedia presentations. Graphics, text, sound, animation and/or video may be used in presentation development. The student will identify presentation media terminology and concepts; create presentations using text, visual and/or sound elements; use effective compositions and style; prepare presentations for distribution on computers or other media; and modify sequence and slide master. Prerequisite: Knowledge of software file management and keyboarding skills.

ITSW 2434 Advanced Spreadsheets
4 Hours (3-3)
This course is designed to provide an understanding of advanced functionality of electronic spreadsheets. The student will learn to create and design macros; use database and data analysis features; and devise solutions using linked worksheets. Prerequisite: ITSW 1404.

ITSY 2400 Operating System Security
4 Hours (3-3)
Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security standards. Students will identify network security risks, security design, and monitoring solutions; identify sources of computer threats, evaluate potential practices, tools, and technologies to protect individual network systems; establish and sustain an operating system security plan utilizing systems and application security tools; implement procedures to secure and monitor audit logs and set system administrator alerts; and develop an organizational operating system security plan that provides for periodic reviews of security policies, procedures, authorized users list, and software update patches. Prerequisite: ITNW 1454.

Kinesiology/Physical Education activity classes at Midland College are designed to supplement the overall education experience through the development and measurement of the skills involved. Classes also include strategies and concepts as they relate to those activities. Students are allowed a maximum of 4 semester credit hours in activity courses toward their degree. Kinesiology/Physical Education majors are allowed a maximum of 8 semester credit hours toward their degree. Each course number may be taken twice for credit.

The **"Physical Fitness"** course offerings are designed to develop a holistic approach to living. Specifically the courses cover the components of cardio-respiratory conditioning, muscular strength/endurance training, flexibility development, nutrition and weight control, and other related topics.

KINE 1100, 2100 Physical Fitness: Coed
1 Hour (0-3)
Participation in a variety of fitness activities for men and women.

KINE 1101, 2101 Physical Fitness: Women
1 Hour (0-3)
Participation in a variety of fitness activities designed specifically for women.

KINE 1102, 2102 Physical Fitness: Men
1 Hour (0-3)
Participation in a variety of fitness activities designed specifically for men.

KINE 1103, 2103 Physical Fitness: Circuit Weight Training
1 Hour (0-3)
Participation in resistance and cardio stations that alternate on a one minute timed interval.

KINE 1104, 2104 Physical Fitness: Walk/Jog
1 Hour (0-3)
Participation in cardio-respiratory conditioning through the development of walking, jogging techniques.

KINE 1105, 2105 Physical Fitness: Individualized Fitness
1 Hour (0-3)
Participation in an individually designed program. Enrollment only with departmental approval.

KINE 1106, 2106 Pilates
1 Hour (0-3)
Participation in a series of exercises designed to incorporate a mind/body relationship to strengthen the body's core along with the entire body.

KINE 1107, 2107 Physical Fitness: Swimming
1 Hour (0-3)
Participation in cardio-respiratory development, and muscular toning and strengthening, through lap swimming. Basic swimming skills are required for enrollment.

KINE 1108, 2108 Step Aerobics
1 Hour (0-3)
Participation in cardio workouts that incorporate step patterns utilizing an aerobic step. Other equipment may also be utilized.

KINE 1109, 2109 Kick-boxing Aerobics
1 Hour (0-3)
Participation in cardio workouts that incorporate the use of martial art techniques performed to music.

KINE 1110, 2110 Water Aerobics
1 Hour (0-3)
Participation in cardio workouts that utilize a swimming pool and a variety of floatation equipment. Basic swimming skills are not required.

KINE 1113, 2113 Yoga
1 Hour (0-3)
Participation in a series of poses designed to incorporate a mind/body relationship to strengthen the entire body.

KINE 1117, 2117 Aikido
1 Hour (0-3)
Non-combative self defense.

KINE 1118, 2118 Tae Kwon Do
1 Hour (0-3)
Introduction to the basic techniques, applications, and philosophy of Tae Kwon Do.

KINE 1119, 2119 Judo
1 Hour (0-3)
The "gentle way" martial art widely used by police departments and women in the military. It utilizes grappling and throws.

KINE 1120, 2120 Self Defense
1 Hour (0-3)
The development of basic, realistic and practical self defense strategies.

KINE 1125, 2125 Basketball
1 Hour (0-3)

KINE 1126, 2126 Bowling
1 Hour (0-3)
KINE 1127, 2127 Golf
1 Hour (0-3)

KINE 1128, 2128 Racquetball
1 Hour (0-3)

KINE 1129, 2129 Soccer
1 Hour (0-3)
KINE 1130, 2130 Tennis
1 Hour (0-3)

KINE 1131, 2131 Volleyball
1 Hour (0-3)

KINE 1136 Coaching Baseball
1 Hour (1-0)
Introduction to the theories and techniques of coaching baseball.

KINE 1137 Coaching Basketball
1 Hour (1-0)
Introduction to the theories and techniques of coaching basketball.

KINE 1138 Coaching Football
1 Hour (1-0)
Introduction to the theories and techniques of coaching football.

KINE 1139 Coaching Soccer
1 Hour (1-0)
Introduction to the theories and techniques of coaching soccer.

KINE 1140 Coaching Softball
1 Hour (1-0)
Introduction to the theories and techniques of coaching softball.

KINE 1141 Coaching Volleyball
1 Hour (1-0)
Introduction to the theories and techniques of coaching volleyball.

KINE 1151 Scuba
1 Hour (1-2)
Students in this class will be instructed in the use of SCUBA equipment and practice their skills in deep water. There may be an out of town trip to open water. Prerequisite: Demonstrated swimming skills.

KINE 1171, 2171 Athletic Training Practicum
1 Hour (0-3)
This course is the practical application of the skills for athletic trainers. Prerequisite is admission to the Athletic Trainers Program or consent of the instructor. May be taken more than once for credit.

KINE 1172, 2172 Men's Varsity Basketball
1 Hour (0-3)

KINE 1173, 2173 Women's Varsity Basketball
1 Hour (0-3)

KINE 1174, 2174 Varsity Softball
1 Hour (0-3)

KINE 1175, 2175 Varsity Baseball
1 Hour (0-3)

KINE 1176, 2176 Varsity Golf
1 Hour (0-3)

KINE 1177, 2177 Varsity Volleyball
1 Hour (0-3)

KINE 1178, 2178 Drill Dance & Cheerleading
1 Hour (0-3)
KINE 1301 Introduction to Physical Education, Fitness, and Sport
3 Hours (3-0)
"Introduction to PEFS" is the study of the aims, objectives, curriculum, and historical/philosophical orientation of Kinesiology. Students will also gain knowledge of career opportunities in the field.

KINE 1304 Personal and Community Health
3 Hours (3-0)
"Personal and Community Health" is the investigation of the "wellness" of individual body organs and systems, and of public health organizations, and services.

KINE 1306 First Aid
3 Hours (3-0)
Instruction in and practice of first aid techniques.

KINE 1308 Sports Officiating I
3 Hours (2-2)
"Sports Officiating" covers athletic supervisory organizations as well as the methods and techniques of officiating football, volleyball, and basketball. The lab component will consist of game observation, some actual game officiating, and personal physical conditioning.

KINE 1309 Sports Officiating II
3 Hours (2-2)
This course is the continuation of "Sports Officiating I." The students study athletic supervisory organizations as well as the methods and techniques of officiating basketball, softball and baseball, and soccer. They will also study the organization of tournaments. The lab component will consist of game observation, some actual game officiating, and personal physical conditioning.

KINE 1321 Sports Studies
3 Hours (3-0)
This course is designed for students to explore sports and athletic programs. Material covers the theories of organization, administrative supervision, management and development of athletic program.

KINE 1331 Physical Education for Elementary School
3 Hours (3-0)
This course covers programs for teaching and performing Kinesiology activities for elementary school children.

KINE 2156 Taping and Bandaging
1 Hour (0-1)
This course provides the fundamental taping and bandaging techniques used in the prevention and care of athletic related injuries. Co-requisite of KINE 2356.

KINE 2356 The Prevention and Care of Athletic Injuries
3 Hours (3-0)
This course is the study of the role of the athletic trainer in the prevention and care of physical problems common to participation in athletics and sports. Included are discussions of assessment, preventive techniques and treatment, decision making, rehabilitation, record keeping, materials and equipment, and ethical behavior. Prerequisite: KINE 1306. Co-requisite: 2156.

LATI 1411 Beginning Latin
4 Hours (4-0)
This non-laboratory course is designed for students who have no previous instruction in Latin. Through classroom presentation, explanation, and drills, students will be introduced to basic Latin vocabulary, word formation, syntax, Roman culture, and the historical backgrounds of the language.

LATI 1412 Beginning Latin II
4 Hours (4-0)
This course is for students who have a fundamental knowledge of Latin vocabulary and syntax. Through grammar presentation, the reading of simple texts, and the repetition of lexical items, the course emphasizes improvement in the student's overall comprehension in Classical Latin. Prerequisite: LATI 1311.

LATI 2311 Intermediate Latin I (3rd semester Latin)
3 Hours (3-0)
Review of grammar and readings in Roman literary works. Prerequisite: LATI 1412.

LATI 2312 Intermediate Latin II (4th semester Latin)
3 Hours (3-0)
Review of grammar and readings in Roman literary works. Prerequisite: LATI 2311.

LGLA 1301 Legal Research and Writing
3 Hours (3-0)

This course presents the fundamentals of legal research and writing. Topics include standard and electronic legal research, and legal writing techniques including case and fact analysis and citation format. Students will identify and locate primary and secondary legal authority; implement effective research strategies, utilizing standard and electronic research tools; and draft legal documents with emphasis on the paralegal's role and ethical considerations in legal research and writing.

LGLA 1311 Introduction to Law
3 Hours (3-0)
This course introduces the student to legal terminology, fundamental legal concepts, and the judicial system. Students will utilize legal terminology; explain fundamental legal concepts and the judicial system; and identify ethical considerations of the paralegal.

LGLA 1313 Introduction to Paralegal Studies
3 Hours (3-0)
This course provides an overview of the paralegal profession including ethical obligations, regulation, professional trends and issues, and the paralegal's role in assisting the delivery of legal services. The student will develop a legal vocabulary; explain the ethical obligations of the legal professional, particularly the paralegal; explain the paralegal's role in assisting the delivery of legal services; and discuss topics relating to the paralegal profession.

LGLA 1317 Law Office Technology
3 Hours (3-0)
Computer technology and software applications within the law office. Students will select and use appropriate legal software to manage electronic files; and create accurate billing, documents, calendaring and case management..

LGLA 1345 Civil Litigation
3 Hours (3-0)
This course presents fundamental concepts and procedures of civil litigation with emphasis on the paralegal's role. Topics include pretrial, trial, and post trial phases of litigation. The student will define and properly use terminology relating to civil litigation; locate, describe, and analyze sources of law relating to the civil litigation process; describe the role and ethical obligation of the paralegal in civil litigation; and draft documents commonly used in civil litigation.

LGLA 1349 Constitutional Law
3 Hours (3-0)
This course provides an overview of the United States Constitution and its articles, amendments, and judicial interpretations. Topics include separation of powers, checks and balances, governmental structures and process, and individual rights in relation to government. Students will define and use terminology relating to constitutional law; locate, describe, and analyze other sources of law relating to constitutional law; analyze the U.S. Constitution and its amendments; and describe the role and ethical considerations of the paralegal relating to constitutional law practice.

LGLA 1353 Wills, Trusts and Probate Administration
3 Hours (3-0)
This course presents fundamental concepts of the law of wills, trusts, and probate administration with emphasis on the paralegal's role. The student will define and properly use terminology relating to wills, trusts, and probate administration; locate, describe, and analyze sources of law relating to wills, trusts, and probate administration; describe the role and ethical obligations of the paralegal in wills, trusts, and probate administration; and draft documents commonly used in wills, trusts, and probate administration.

LGLA 1355 Family Law
3 Hours (3-0)
This course presents fundamental concepts of family law with emphasis on the paralegal's role. Topics include formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship. The student will define and properly use terminology relating to family law; locate, describe, and analyze sources of law relating to family law; describe the role and ethical obligations of the paralegal in family law; and draft documents commonly used in family law.

LGLA 1391 Special Topics in Paralegal / Legal Assistant
3 Hours (3-0)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behavior pertinent to the technology or occupation and relevant to the professional development of the student. Learning outcomes/objectives are determined by local occupational need and business and industry trends.

LGLA 2239 Certified Legal Assistant Review
2 Hours (2-0)
This course provides a review of the mandatory and optional topics covered in the Certified Legal Assistant Examination administered by the National Association of Legal Assistants. The student will demonstrate knowledge of the subject matter areas covered in the Certified Legal Assistant Examination.

LGLA 2303 Torts and Personal Injury Law
3 Hours (3-0)
This course presents fundamental concepts of tort law with emphasis on the paralegal's role. Topics include intentional torts, negligence, and strict liability. The student will define and properly use terminology relating to tort law; describe the role and ethical obligations of the paralegal in tort law; and draft documents commonly used in tort law.

LGLA 2305 Interviewing and Investigating
3 Hours (3-0)
This course is a study of principles, methods, and investigative techniques utilized to locate, gather, document, and manage information with emphasis on developing interview and investigative skills to prepare the paralegal to communicate effectively while recognizing ethical problems. Students will employ effective interviewing techniques with clients and witnesses in legal settings; utilize investigative methods; and describe the role and ethical considerations of the paralegal in interviewing and investigating.

LGLA 2315 Oil and Gas Law
3 Hours (3-0)
This course presents fundamental concepts of oil and gas law including the relationship between landowners and oil and gas operators, government regulations, and documents used in the industry. The student will define and properly use terminology relating to oil and gas law; describe the role and ethical obligations of legal professionals in oil and gas law; and draft documents commonly used in oil and gas law.

LGLA 2331 Advanced Legal Research and Writing
3 Hours (2-4)
Standard and electronic research techniques and preparation of complex legal documents such as briefs, legal office memoranda, and citation forms with emphasis on the paralegal's role. Students will analyze complex legal issues; apply effective research strategies to address legal issues; report the results in written legal format; and describe the role of the paralegal relating to advanced legal research and writing.

LGLA 2335 Advanced Civil Litigation
3 Hours (2-4)
Implementation of advanced civil litigation techniques with emphasis on the paralegal's role. Builds upon skills acquired in prior civil litigation courses. Students will analyze complex fact situations; identify legal issues; research applicable sources of law; formulate theories; generate litigation documents; and describe the role and ethical considerations of the paralegal relating to advanced civil litigation.

LGLA 2380 OR 2381 Cooperative Education Paralegal/Assistant
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through work experience. This course may be repeated if topics and learning outcomes vary. As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, and legal systems associated with the particular occupation and the business/industry; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable technical language of the occupation and the business or industry.

LTCA 1300 Assisted Living Facilities Management
3 Hours (3-0-0)
This course is a focused study of assisted living facility management. Topics include: an overview of federal, state and local laws and regulations, organizational principles, human resources, resident care and rights including assessment of resident needs and service delivery, environment, financial management, and Alzheimer's disease and other conditions of dementia.

LTCA 1311 Introduction to Long Term Care Administration
3 Hours (3-0-0)
This course is an overview of the long term care industry. It includes a survey of the history and philosophy of long term care administration and provides an introduction to and application of regulatory standards. Specializations within the long term health care industry are also discussed.

LTCA 1312 Resident Care in the Long Term Care Facility
3 Hours (3-0-0)
This course is a study of the delivery of quality services to residents of long term care facilities. An overview of the methods for assessing and implementing strategies to promote quality resident care and a presentation of philosophical and ethical considerations are also covered.

LTCA 1313 Organization and Management of Long Term Care Facilities
3 Hours (3-0-0)
An overview of the functional organizational structures common to long term health care facilities. An examination of the departments in long term care facilities, chain of command, personnel, regulatory requirements, quality indicators, and the role of the long term care administrator.

LTCA 2310, Environment of the Long Term Care Facility
3 Hours (3-0-0)
This course is an examination of the long term care facility as a home-like environment with particular attention to building, grounds, and equipment. The course will also address rules, regulations, policies, and procedures affecting environmental safety.

LTCA 2486 Internship I
4 Hours (0-0-16)
This course is a work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

LTCA 2314 Long Term Care Law
3 Hours (3-0-0)
This course is an examination of the types and sources of law relating to the long term care industry by studying federal, state and local statues and regulations affecting the long term care industry.

LTCA 2315 Financial Management of Long Term Care Facilities
3 Hours (3-0-0)
This course is a study of the techniques used in the financial management of the long term care facility. It includes special accounting requirements of Medicare, Medicaid, and other third-party payor sources. The course also covers strategies to promote financial viability such as risk management.

LTCA 2487 Internship II
4 Hours (0-0-16)
This course is a work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

LTCA 2488 Internship III
4 Hours (0-0-16)
This course is a work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

LTCA 2489 Internship IV
4 Hours (0-0-16)
This course is a work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

MATH 0190 Mathematical Calculations
1 Hour (0-1)
This course is designed to support MATH 0390 and MATH 0391. Tutorial help, computer-assisted instruction and video tapes/DVD's are available to support this class. Math 0190 is a co-requisite of Math 0390 and MATH 0391 and must be passed with its co-requisite to progress through the development sequence. This course is repeatable as required.

MATH 0191 Mathematical Calculations THEA Class
1 Hour (0-2)
This course is designed to provide a review of mathematical concepts necessary to pass the THEA test. Students should have a math THEA score between 220 and 229. This course is not designed to take the place of appropriate leveling or remediation courses. Computer assisted instruction, tutorial help, THEA lectures, and video tapes/DVD's are available to support this class. Students are required to take the THEA test at the end of the semester. This course may not be taken more than two times. Course fee.

MATH 0192, 0193, 0194, 0195 FLEX Introductory Algebra
1 Hour (0-1)
These four modules are equivalent to MATH 0390 and co-requisite lab, MATH 0190. These are self-paced classes that must be completed in sequence. Students are allowed to compress or expand the amount of material completed in a semester. We suggest that students work at least four hours a week in the lab for at least four weeks to complete one of the modules. When the sequence is completed, the student will have four hours of credit comparable to those acquired in MATH 0390 and co-requisite lab. Computer assisted instruction, tutorial help, THEA lectures, and video tapes/DVD's are available to support these classes.

This Introductory Algebra sequence will permit students to become more proficient in areas of basic arithmetic operations, fundamental algebraic operations, simple factoring, exponents, radicals, the solving of linear and quadratic equations, and word problems. Requires successful score on math placement test or "B" or greater in MATH 0389 or 206 on THEA. Course fee.

MATH 0196, 0197, 0198, 0199 FLEX Intermediate Algebra
1 Hour (0-1)
These four modules are equivalent to MATH 0391 and co-requisite lab, MATH 0190. These are self-paced classes that must be completed in sequence. Students are allowed to compress or expand the amount of material completed in a semester. We suggest students work at least four hours a week in the lab for at least four weeks to complete one of the modules. When the sequence is completed, the student will have four hours of MATH 0391 credit comparable to those acquired in MATH 0391 and co-requisite lab. Computer assisted instruction, tutorial help, THEA lectures, and video tapes/DVD's are available to support this class. Prerequisite: Requires a "C" or greater in MATH 0390, or "P" in MATH 0192-0195 (FLEX Introductory Algebra sequence) or a satisfactory score on an algebra placement test or 230 on THEA.

This Intermediate Algebra sequence is "intermediate" in difficulty between introductory and college algebra courses. This sequence includes a study of relations, functions, inequalities, factoring, polynomials, rational expressions, and quadratics. This sequence will permit students to become familiar with complex numbers, and to solve systems of linear and non-linear equations and inequalities, and to continue a study of word problems. Course fee.

MATH 0389 Basic Mathematics
3 Hours (2-2)
This course is designed to develop and review the arithmetic and pre-algebra skills of students. It may be taken either as a terminal course or as a preparatory course for Math 0390. The topics to be covered are addition, subtraction, multiplication, and division of numbers and fractions, decimals, ratio and proportion, percent, exponents, square roots, measures, and introductory algebra concepts. Course fee.

MATH 0390 Introductory Algebra
3 Hours (3-0)
This course is designed to enable students requiring leveling work in algebra to develop and review their algebraic skills in preparation for Math 0391. This introductory algebra course will permit students to become more proficient in the areas of basic arithmetic operations, fundamental algebraic operations, simple factoring, exponents, radicals, the solving of linear and quadratic equations, and word problems. Co-requisite: MATH 0190. Requires successful score on math placement test or "B" or greater in Math 0389 or 206 on THEA. Course fee.

MATH 0391 Intermediate Algebra
3 Hours (3-0)
This course is intermediate in difficulty between the introductory and college algebra courses and is designed to bridge the gap between the courses. This course will enable students to become proficient in factoring, solving quadratic equations and systems of equations, working with conic sections, and functions Co-requisite: MATH 0190. Prerequisite: Requires a "C" or greater in MATH 0390 and a "P" in MATH 0190 or "P" in MATH 0192-0195 (FLEX Introductory Algebra sequence) or a satisfactory score on an algebra placement test or 230 on THEA. Course fee.

MATH 1314 College Algebra
3 Hours (3-0)
This course is designed to enable students to become proficient in the following algebraic topics: polynomials, rational expressions, exponents, radicals, linear equations and inequalities, quadratic equations, exponential and logarithmic equations, applications systems of equations, and binomial expansion. Prerequisite: Requires a "C" or greater in MATH 0391 and a "P" in MATH 0190 or a "P" in Math 0196-0199 or a satisfactory score on an algebra placement test or 270 on THEA. Course fee.

MATH 1316 Trigonometry
3 Hours (3-0)
This course is designed to enable students to become proficient in trigonometric and inverse trigonometric functions, the solution of triangles, identities, trigonometric equations, applications complex numbers, and logarithms. Prerequisite: Requires a "C" or greater in MATH 1314 or a satisfactory score on an algebra placement test. Course fee.

MATH 1324 Mathematics for Business & Social Sciences I
3 Hours (3-0)
This course is designed to enable students to solve elementary business problems involving the following topics: sets, linear relations and functions, elementary matrix theory, systems of linear equations and inequalities, linear programming by the simplex method, simple and compound interest, annuities, amortization, and bonds. Requires a "B"or greater in MATH 0391 and a "P" in Math 0190 or a satisfactory score on an algebra placement test. Course fee.

MATH 1325 Mathematics for Business & Social Sciences II
3 Hours (3-0)
This course is designed to enable students to learn quantitative methods for analyzing business problems. The topics to be studied are: Limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Prerequisite: Requires a "C" or greater in MATH 1324. Course fee.

MATH 1342 Statistics
3 Hours (3-0)
This course is designed to enable students to learn the introductory techniques of collection, presentation, analysis, and interpretation of data. Correlation methods, analysis of variance, dispersion, sampling, quality control, reliability, mathematical models, and regression analysis are also studied. Students will become proficient in use of computer technology such as Excel. Prerequisite: Requires a "B" or greater in MATH 0391 and a "P" in MATH 0190 or a higher level math course or a satisfactory score on an Algebra placement test. Course fee.

MATH 1350 Fundamentals of Mathematics I
3 Hours (3-0)
Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade (4-8) teacher certification. Prerequisite: Requires a "C" or greater in MATH 1314 or equivalent. Course fee.

MATH 1351 Fundamentals of Mathematics II
3 Hours (3-0)
Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade (4-8) teacher certification. Prerequisite: Requires a "C" or greater in MATH 1350, or "C" or greater in MATH 1314 or equivalent. Course fee.

MATH 1414 College Algebra
4 Hours (4-0)
This course is designed to enable students to become proficient in the following algebraic topics: polynomials, rational expressions, exponents, radicals, linear equations and inequalities, quadratic equations, exponential and logarithmic equations, systems of equations, and binomial expansion. Prerequisite: Requires a "C" or greater in MATH 0391 and a "P" in MATH 0190 or a "P" in Math 0196-0199 or a satisfactory score on an algebra placement test or 270 on THEA. This course is designed for students needing more time to successfully complete College Algebra. Course fee.

MATH 2412 Pre-Calculus
4 Hours (4-0)
This course is designed to enable students to become proficient in applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions. Some topics from analytical geometry are discussed. Prerequisite: Requires a "C" or greater in MATH 1314 or a satisfactory score on Trigonometry placement test. Course fee.

MATH 2413 Calculus I
4 Hours (4-0)
This course is designed to enable students to become proficient in introductory analytic geometry, the theory of limits, differential calculus of algebraic and trigonometric functions, applications of differentiation, antiderivatives, and the definite integral. Prerequisite: Requires a "C" or greater in MATH 1316 or a "C" or better in MATH 2412 or a satisfactory score on a precalculus placement test. Course fee.

MATH 2414 Calculus II
4 Hours (4-0)
This course is designed to enable students to become proficient in the differentiation and integration of transcendental functions, techniques of integration, and applications of the definite integral, indeterminate forms, and improper integrals. Prerequisite: Requires a "C" or greater in MATH 2413. Course fee.

MATH 2415 Calculus III
4 Hours (4-0)
This course will enable students to become proficient in indeterminate forms, improper integrals, sequences, series, vectors, and the differential and integral calculus of functions of several variables. Prerequisite: Requires a "C" or greater in MATH 2414. Course fee.

MATH 2420 Differential Equations
4 Hours (4-0)
This course is designed to produce student proficiency in first order equations, linear differential equations, differential operators, Laplace transforms, and the applications of differential equations It also introduces power series methods, linear systems, and numerical methods. Prerequisite: Requires a "C" or greater in MATH 2415. Course fee.

MCHN 1320 Precision Tools and Measurement
3 Hours (3-0)
An introduction to the modern science of dimensional metrology. Emphasis on the identification, selection, and application of various types of precision instruments associated with the machining trade. Practice of basic layout and piece part measurements while using standard measuring tools.

MRKG 1311 Principles of Marketing
3 Hours (3-0)
Introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues. Students will identify the marketing mix components in relation to market segmentation; explain the environmental factors which influence consumer and organizational decision-making processes; and outline a marketing plan.

MUAP 1166, 1167 Woodwind Instruments I, II
1 Hour (2-1)

MUAP 1168 Brass Instruments
1 Hour (2-1)

MUAP 1169, 1170, 2169, 2170 Brass Instruction I, II, III, IV
1 Hour (0-2)

MUAP 1171, 1172, 2171, 2172 String Instruction I, II, III, IV
1 Hour (0-2)

MUAP 1173, 1174, 2173, 2174 Percussion Instruction I, II, III, IV
1 Hour (0-2)

MUAP 1175, 1176, 2175, 2176 Woodwind Instruction I, II, III, IV
1 Hour (0-2)

MUAP 1177, 1178, 2177, 2178 Keyboard Instruction I, II, III, IV
1 Hour (0-2)
Intermediate piano. A series of courses designed to provide students with the skills necessary to perform artistically at the piano in a variety of performance settings. One 30-minute private lesson per week. Prerequisite: Instructor's permission.

MUAP 1179, 1180, 2179, 2180 Voice Instruction I, II, III, IV
1 Hour (0-2)

MUAP 1188 Percussion Instruments
1 Hour (2-1)

MUAP 1190, 2190 String Instruments I, II
1 Hour (2-1)

MUAP 1269, 1270, 2269, 2270 Brass Instruction I, II, III, IV
2 Hours (0-2)
MUAP 1271, 1272, 2271, 2272 String Instruction I, II, III, IV
2 Hours (0-2)

MUAP 1273, 1274, 2273, 2274 Percussion Instruction I, II, III, IV
2 Hours (0-2)

MUAP 1275, 1276, 2275, 2276 Woodwind Instruction I, II, III, IV
2 Hours (0-2)

MUAP 1277, 1278, 2277, 2278 Keyboard Instruction I, II, III, IV
2 Hours (0-2)
Advanced Piano. Prerequisite: MUSI 2178 or instructor's permission.

MUAP 1279, 1280, 2279, 2280 Keyboard Instruction I, II, III, IV
2 Hours (0-2)
Advanced piano. A series of courses designed to provide students with the skills necessary to perform artistically at the piano in a variety of performance settings. One 60-minute private lesson per week. Prerequisite: Instructor's permission.

MUAP 2240 Instrumental Techniques
2 Hours (2-2)

MUEN 1121, 1122, 2121, 2122 Wind Ensemble I, II, III, IV
1 Hour (0-5)

MUEN 1123, 1124, 2123, 2124 Band I, II,III, IV
1 Hour (0-5)

MUEN 1125, 1126, 2125, 2126 Orchestra I, II, III, IV
1 Hour (0-5)

MUEN 1131, 1132, 2131, 2132 Studio Ensemble I, II, III, IV
1 Hour (0-4)

MUEN 1133, 1134, 2133, 2134 Brass Ensemble I, II, III, IV
1 Hour (0-4)

MUEN 1135, 1136, 2135, 2136 String Ensemble I, II, III, IV
1 Hour (0-4)

MUEN 1137, 1138, 2137, 2138 Woodwind Ensemble I, II, III, IV
1 Hour (0-4)

MUEN 1139, 1140, 2139, 2140 Percussion Ensemble I, II, III, IV
1 Hour (0-4)

MUEN 1141, 1142, 2141, 2142 Chamber Singers I, II, III, IV
1 Hour (0-5)

MUEN 1143, 1144, 2143, 2144 Chorale I, II, III, IV
1 Hour (0-5)
MUEN 1145, 1146, 2145, 2146 Women's Choir I, II, III, IV
1 Hour (0-5)

MUEN 1147, 1148, 2147, 2148 Men's Choir I, II, III, IV
1 Hour (0-5)

MUEN 1151, 1152, 2151, 2152 Jazz Singers I, II, III, IV
1 Hour (0-4)

MUSI 1159, 2159 Musical Theatre I, II
1 Hour (1-2)
Study and performance of works from the musical theatre repertoire.

MUSI 1162, 1165 Diction I, II
1 Hour (1-1)

MUSI 1163, 1164 Jazz Improvisation I, II
1 Hour (0-3)

MUSI 1181, 1182, 2181, 2182 Class Piano I, II, III, IV
1 Hour (2-1)
Elementary piano. A series of introductory courses designed for students with little or no previous piano playing experience. Topics explored include physical technique, practice methods, repertoire, style and interpretation, comfort in performance settings, improvisation, and appropriate concepts from music theory and history.

MUSI 1183, 1184, 2183, 2184 Class Voice I, II, III, IV
1 Hour (2-1)
Class instruction in the fundamentals of correct breathing, tone production, and diction. Laboratory course designed for students with little or no previous voice training. Aids in developing a pleasing tone quality that is produced with ease and proper enunciation.

MUSI 1301 Fundamentals of Music
3 Hours (3-0)
A preparatory course for music majors, not applicable toward the music degree. MUSI 1301 examines the fundamentals of rhythm, melody, harmony, ear-training, sight singing, and keyboard.

MUSI 1304 Public School Music Methods and Materials
3 Hours (3-0)
A course which examines techniques and materials for music instruction in kindergarten and grades one through six. Participation includes experience in part singing, playing, listening, voice testing, rhythmic, and creative activities.

MUSI 1306 Music Appreciation
3 Hours (3-0)
A course designed to provide an overview of music from antiquity to the present. Course is designed to enable student to investigate music in the context of social and cultural history.

MUSI 1308 Survey of Music Literature
3 Hours (3-0)
A course designed to enable student to examine music critically, including its development and its function in culture from antiquity to 1750. Course utilizes primary sources and listening selections.

MUSI 1309 Survey of Music Literature II
3 Hours (3-0)
A course designed to enable student to examine music critically, including its development and its function in culture from 1750 to present. Course utilizes primary sources and listening selections.

MUSI 1310 American Music: History of Country Music
3 Hours (3-0)
A course designed to enable student to trace the development of country music and its function in American culture from Appalachia in the 1920s to present. **Credit will be given only once for MUSI 1310.**

MUSI 1310 American Music: Jazz
3 Hours (3-0)
A course designed to enable student to examine genesis and history of Jazz in America and to probe its influence on American music, culture, and society. **Credit will be given only once for MUSI 1310.**

MUSI 1310 American Music: Rock 'n' Roll Music
3 Hours (3-0)
A course designed to enable student to examine the effect of historical events on American popular music culture. Course includes listening and reporting on music in context of recent American History. **Credit will be given only once for MUSI 1310.**

MUSI 1311, 1312, 2311, 2312 Music Theory I, II, III, IV
3 Hours (3-3)
First principles of chord progression and phrase harmonization. A study of more advanced chord structures and their placement within the phrase. The student receives a broad summary of classical harmony and then explores the techniques of the twentieth century. Written exercises, analysis, and correlated keyboard projects are required. Prerequisite: MUSI 1301 or a passing score on placement test.

MUSI 1386, 2386 Musical Composition—MIDI I & II
3 Hours (3-0)
These courses employ Musical Instrument Digital Interface (MIDI). Students compose music on the computer; write music from a piano being played; record real time from microphones; sequence, store, and edit sounds; and overdub and mix blocks of sound.

OSHT 1301 Introduction to Safety and Health Technology
3 Hours (3-0)
An introduction to the basic concepts of safety and health in an industrial environment. Students will learn and demonstrate proper safety procedures in a variety of industry and classroom settings.

OSHT 1316 Material Handling
3 hours (3-0)
Proper methods for material handling and storage including safety practices, proper equipment usage, engineering controls, and personal protective equipment. Students will explain precautions and controls to eliminate injuries due to manual material handling and storage; explain proper material handling engineering principles regarding hoisting and conveying equipment; describe the safe work practices utilizing ropes, chains, and slings; identify toxic hazards of handled materials and establish the necessary precautions; identify industry regulations necessary for formal training materials.

PHIL 1301 Introduction to Philosophy
3 Hours (3-0)
"Introduction to Philosophy" samples the writings of thinkers who over the past 2500 years have challenged the human intellect with questions about the meaning of existence, the nature of reality, and the validity of knowledge. The course encourages students to re-examine and clarify their own beliefs and values.

PHIL 1304 Introduction to World Religions
3 Hours (3-0)
Is a survey of the major belief systems in society today-Judaism, Christianity, Islam, Hinduism, and Buddhism, how they are different from ancient belief systems and how they are influencing new religious movements.

PHIL 1316 History of Christianity
3 Hours (3-0)
This course is an historical survey of the development of Christianity and its role in world history, from its origins to the present time covering theological and institutional issues. Course may be taken for either credit or non-credit. Also HIST 1316.

PHIL 2303 Introduction to Logic
3 Hours (3-0)
"Introduction to Logic" introduces the students to the nature and methods of correct reasoning; deductive and inductive proof; fallacies; argumentation.

PHIL 2306 Ethics
3 Hours (3-0)
This course covers the major classic philosophies of life with consideration of some of the value or "goodness" involved in the moral, religious, aesthetic, and scientific points of view.

PHIL 2321 Philosophy of Religion
3 Hours (3-0)
"Philosophy of Religion" is a study of the nature and philosophical implications of religious beliefs, experiences, and practices, and the relation of these to other major human concerns.

PHYS 1401 College Physics I
4 Hours (3-4)
This course will enable students to become familiar with classical mechanics, thermodynamics, and wave motion. This course is designed for students planning to study medicine, dentistry, veterinary medicine, optometry, biology, architecture, and the technical disciplines. A knowledge of algebra and elementary trigonometry is needed.

PHYS 1402 College Physics II
4 Hours (3-4)
This course will enable students to become proficient in optics, electricity, magnetism, and selected topics from modern physics. Prerequisite: PHYS 1401.

PHYS 1403 Stars and Galaxies
4 Hours (3-3)
Study of stars, galaxies, and the universe outside our solar system. Non-majors.

PHYS 1404 Solar System
4 Hours (3-3)
Study of the sun and its solar system, including its origin. Non-majors.

PHYS 1415 Physical Science I
4 Hours (3-3)
This is a survey course in the physical sciences and scientific methods and is intended for non-science majors. The course introduces topics in physics, chemistry, geology, meteorology, and astronomy with an emphasis on physics topics. A lab is included, and basic mathematics is required.

PHYS 1417 Physical Science II
4 Hours (3-3)
This is a continuation of PHYS 1415 with an emphasis on topics in chemistry, geology, meteorology, and astronomy. A lab is included, and basic mathematics is required.

PHYS 2425 University Physics I
4 Hours (3-4)
This course will enable students of the physical sciences, engineering, and mathematics to become proficient in classical mechanics and thermodynamics. Prerequisite or Co-requisite: MATH 2413

PHYS 2426 University Physics II
4 Hours (3-4)
This course will enable students to become proficient in classical electricity and magnetism, wave motion, and optics. Prerequisite: PHYS 2425 or Co-requisite: MATH 2414

POFI 1204 Computer Fundamentals
2 Hours (2-1)
Computer applications specific to business-related software. Emphasizes the concurrent development of office skills and computer knowledge. Students will differentiate among systems, applications, and utility software; format, edit, and enhance a document; and manage files and folders.

POFI 1270 Field Reports and Data Transfer
2 hours (2-0)
Essential computer application, writing, and computational skills required by the energy industry for completion of reports. The student will demonstrate computer applications, writing, and computational skills to produce reports used by the energy industry in various field-related activities.

POFI 2401 Word Processing
4 Hours (3-3)
Word processing software focusing on business applications. Students will produce documents using word processing applications. Prerequisite: POFT 1227 or keyboarding skills.

POFI 2431 Desktop Publishing for the Office
4 Hours (3-3)
In-depth coverage of desktop publishing terminology, text editing, and use of design principles to create publishing material using word processing desktop publishing features. Emphasis on layout techniques, graphics, and multiple page displays. The student will define desktop publishing terminology; manipulate text and graphics to create a balanced and focused layout; and create flyers, brochures, and multiple-page documents according to specified procedures. Prerequisite: ITSW 1401.

POFI 2440 Advanced Word Processing
4 Hours (3-3)
Advanced techniques in merging, macros, graphics, and desktop publishing. Includes extensive formatting for technical documents. Emphasis on business applications. Students will implement advanced features; import data; and incorporate graphic, collaborative, and special functions to enhance documents. Prerequisite: ITSW 1401.

POFM 1302 Medical Software Applications
3 Hours (3-0)
Medical software applications for the management and operation of health care information systems. Students will utilize medical software applications; manage patient database; process billing; maintain schedules; and generate reports.

POFT 1227 Introduction to Keyboarding
2 Hours (2-0)
Skill development in keyboarding techniques. Emphasis on the development of acceptable speed and accuracy. Students will demonstrate basic keyboarding techniques, with acceptable accuracy and speed of at least 30 words per minute.

POFT 1301 Business English
3 Hours (3-0)
Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business. The student will apply the basic rules of grammar, spelling, capitalization, number usage, and punctuation; utilize terminology applicable to technical and business writing; develop proofreading and editing skills, and write effective sentences and paragraphs for business applications. Does not count toward major in "Psychology."

POFT 1309 Administrative Office Procedure I
3 Hours (3-0)
Study of current office procedures, duties, and responsibilities applicable to an office environment. Students will develop time management techniques; demonstrate communication skills; and identify the basic skills of an office professional.

POFT 1325 Business Mathematics and Machine Applications
3 Hours (3-1)
Business math problem-solving skills using office technology. Students will solve business application problems using office technology.

POFT 2312 Business Correspondence and Communications
3 Hours (3-0)
Development of writing and presentation skills to produce effective business communications. Students will compose, produce, an dpresent effective business documents appropriate to meet industry standardsl apply critical evaluation techniques to business documents and demonstrate the importance of coherent, ethical communication principles in business and industry. Prerequisite: POFT 1301.

POFT 2333 Advanced Document Formatting and Skill Building
3 Hours (2-4)
A continuation of kepboarding skills in advanced document formatting emphasizing speed, accuracy, and decisionmaking. Students will demonstrate proficient keyboarding techniques; apply mailability standards to business documents using word processing software; and implement decision-making skills. Prerequisites: POFT 1227 and POFT 2401.

POFT 2380 Cooperative Education-Administrative/ Secretarial, General Science
3 Hours (1-0-20)
Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through work experience. This course may be repeated if topics and learning outcomes vary. As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, and legal systems associated with the particular occupation and the business/industry; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable technical language of the occupation and the business or industry. Prerequisite: Two Business Applications courses.

POFT 2401 Document Formatting and Skill Building
4 Hours (3-3)
A continuation of keyboarding skills emphasizing acceptable speed, and accuracy levels and formatting documents. Students will demonstrate proficient keybaording techniques; and apply mailability standards to business documents using word processing software. Prerequisites: POFT 1227 and ITSW 1401 or equivalent.

POFT 2431 Administrative Systems
4 Hours (3-3)
Advanced concepts of project management and office procedures integrating software applications. Students will select materials, procedures, and equipment; and manage business projects using technology, critical thinking, and problem-solving skills. Prerequisites: ITSW 1401, ITSW 1404, ITSW 1407 and ITSW 1410.

PSYC 2301 Introduction to Psychology
3 Hours (3-0)
"Introduction to Psychology" deals with the scientific study of the behavior of individuals and their mental processes. The focus is on the perceptions, thoughts, emotions, and social interactions of people in their everyday lives. Psychological theories of mental health, mental disorders, and therapy will be addressed. .

PSYC 2302 Applied Psychology
3 Hours (3-0)
This course is the application of psychological principles and methods to the development of the cognitive and social skills of students in the collegiate setting. Does not count toward major in Psychology.

PSYC 2306 Human Sexuality
3 Hours (3-0)
"Human Sexuality" provides a comprehensive introduction to the biological, psychological, behavioral, and cultural aspects of sexuality. Contemporary research addressing such issues as communication, love, relationships, sexual problems, therapies, pregnancy, and childbirth is discussed. Also SOCI 2306.

Students may receive credit for only two of PSYC 2308, PSYC 2311 and PSYC 2314.

PSYC 2308 Child Psychology
3 Hours (3-0)
This course covers the first part of the human developmental process. It focuses on psychologyical, cognitive, social, and environmental factors that shape human behavior from prenatal development through adolescence. Prerequisite: PSYC 2301 or permission of instructor.

PSYC 2311 Adult Development
3 Hours (3-0)
This course covers the latter part of the human development process. It focuses on psycholosical, cojnitive and environmental factors that shape human behavior from adolescence through the remainder of life.

PSYC 2314 Life-Span Growth and Development
3 Hours (3-0)
This course is a survey course dealing with the study of the relationships among physical, emotional, social and mental factors of human growth and development from birth throughout the entire life-span. Emphasis is on scientific research, fundamental issues, and major psychological theories used to explain development. Prerequisite: PSYC 2301 or permission of instructor.

PSYC 2315 Psychology of Adjustment
3 Hours (3-0)
This course is the study of the processes involved in the adjustment of individuals to their personal and social environments. Students will learn about the theories and practices used in the counseling profession with various populations having adjustment problems. Prerequisite PSYC 2301 or permission of instructor.

PSYC 2319 Social Psychology
3 Hours (3-0)
"Social Psychology" is the study of how the thoughts, feelings, and behaviors of individuals are influenced by the actual, imagined, and implied presence of others. Also SOCI 2326.

PSYT 1372 Relationship Skills
3 Hours (3-0)
The student will be introduced to the study of twenty-firstcentury emotional and sexual intimacy factors within relationships, emphasizing relationship distress, dysfunction and divorce.

PSYT 2331 Abnormal Psychology
3 Hours (3-0)
The study of the theories and processes involved in the dually diagnoses client and treatment of mental disorders. Specify abnormal behavior and its modification; discuss the multi-axial system of diagnosis from the universal diagnostic classification codes; and determine the correct diagnosis given a vignette.

PSYT 2345 Principles of Behavior Management and Modification II
3 Hours (3-0)
A study of behavior management and cognitive theories and techniques with emphasis on their applications. Summarize behavior management and cognitive theories; and discuss the applications of behavior management and cognitive techniques.

PTRT 1301 Introduction to Petroleum Industry
3 hours (2-2)
An introduction to the various aspects of petroleum industry including equipment, systems, instrumentation, operations, and the various scientific principles. Addresses a variety of petroleum technologies: exploration, drilling, production, transportation, marketing, and chemical processing industries. Students will identify the concepts of exploration, production, refining, marketing, and transportation; and describe the terms and phrases associated with the petroleum industry.

PTRT 1309 Corrosion Basics
3 hours (2-2)
Principles of corrosion such as basic electrochemistry processes. Addresses the deterioration of materials, devices, or pieces of oil field (or other) machinery/equipment. Emphasis on terminology associated with metallic and nonmetallic corrosion. Students will distinguish between the causes of corrosion; state methods by which corrosion can be identified, monitored, and controlled. Communicate potential field problems and recommend the most reliable solutions.

PTRT 1324 Petroleum Instrumentation
3 hours (2-2)
Study of instruments, instrument systems, terminology, process variables, and control coops as used in a petroleum environment. Students will describe the basic instrumentation used in modern process control; identify the basic instruments used with temperature, pressure, levels, flow, and analytical applications; and describe the basic components of a control loop.

PTRT 2371 Petroleum Geology for Non-Geologists
3 hours (2-2)
Earth systems, rocks and minerals, sedimentology and stratigraphy, geologic time and history of Earth, structural geology, folding and faulting, origin, nature, and occurrence of petroleum, formation names, and evolution of the Permian Basin. Also discussed is oil in the Permian Basin - trends, plays, and petroleum systems, surface and subsurface mapping methods, working with logs, sources of data, well-site operations, and formation evaluation. Students will explain geological concepts and processes as related to the exploration and exploitation of hydrocarbons; use a working knowledge of geology and associated terminology to effectively interact with engineers, geologists, landmen, and associated disciplines within the energy industry; utilize and evaluate surface and subsurface maps, well logs, well site and formation reservoir data.

PTRT 2372-Petroleum Data Loading
3 hours (2-2)
Data types and usages, table set ups and definitions for software and server loading of petroleum data, standard formats (ASCII, Excel and direct links) for production, borehole geophysical logs (LAS, LIS), seismic volumes (SEGY, SEGP1), GIS data (SHAPE files) and horizons (DAT) as well as formatting unstructured electronic data (spreadsheets) for proper loading into geologic and geophysical software applications and transferring data between applications. General techniques for quality checking the validity of the data loading will be presented specific to the data type. Also covers exporting formats with data transfer. Public and private data sources will be explored and examples used. Students will install software licenses on both standalone and network systems; describe file system structure and navigation; perform queries; and retrieve and export data. Manage and manipulate data and data files; create and manage a project; import/export cartographic, lease, well information, seismic, log, and spreadsheet data from and to external sources; load and manage general well information, including well logs (both in ASCII and binary format), seismic data and cultural data; transfer data between different software applications; and export and import graphs and reports.

RADR 2117 Radiographic Pathology
1 Hour (1-0-0)
This course is a presentation of the disease process and common diseases and their appearance on medical images.

RADR 2166 Practicum III
1 Hour (0-0-7)
This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an unpaid learning experience. Prerequisite: RADR 2267.

RADR 2205 Principles of Radiographic Imaging II
2 Hours (2-1-0)
This course is a continuation of the study of radiographic imaging technique formulation equipment quality control, image quality assurance, and the synthesis of all variables in image production. Prerequisite: RADR 1313.

RADR 2209 Radiographic Imaging Equipment
2 Hours (2-1-0)
This course is a study of the equipment and physics of x-ray production, basic x-ray circuits, and the relationship of conventional and digital equipment components to the imaging process.

RADR 2233 Advanced Medical Imaging
2 Hours (2-0-0)
This course covers the exploration of specialized imaging modalities and covers the concepts and theories of equipment operations and their integration for medical diagnosis.

RADR 2266 Practicum I
2 Hours (0-0-20)
This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an unpaid learning experience. Prerequisite: RADR 1261

RADR 2267 Practicum II
2 Hours (0-0-20)
This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an unpaid learning experience. Prerequisite: RADR 2266.

RADR 2313 Radiation Biology and Protection
3 Hours (3-0-0)
This course is a study of the effects of radiation exposure on biological systems, typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure.

RADR 2331 Advanced Radiographic Procedures
3 Hours (2-2-0)
This course is a continuation of positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of advanced anatomy and related pathology. Prerequisite: RADR 2401.

RADR 2335 Radiologic Technology Seminar
3 Hours (2-2-0)
This course is a capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning.

RADR 2336 Special Patient Applications
3 Hours (2-4-0)
This course is an advanced discussion of pediatrics, geriatrics, trauma, history, documentation and Electrocardiogram (ECG.), Phlebotomy and venipuncture will be discussed and practiced.

RADR 2401 Intermediate Radiographic Procedures
4 Hours (3-2-0)
This course is a continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of anatomy. Prerequisite: RADR 1411.

READ 0180 Intermediate Reading I
1 Hour (0-2)
A lab course providing individual instruction in college reading readiness. Prerequisite is READ 0371 and 0171.

READ 0181 Intermediate Reading II
1 Hour (0-1)
Lab course required for student who is taking an approved reading-intensive course under the "C or Better" option. Student must make a "C" in this course and a "C" in reading-intensive course to satisfy reading readiness requirements. Special attention given to reading skills that are needed in student's particular course work.

READ 0260 Individualized Developmental Reading
2 Hours (0-2)
An individualized lab course designed for students who are required to take developmental reading when structured courses are not being offered. Course may be taken more than once.

READ 0350 Applied Reading
3 Hours (3-0)
A course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension through intensive study of critical thinking, vocabulary, and readings in a specified field. Course is designed to help student to increase comprehension, reading rate, and vocabulary.

READ 0370 Developmental Reading I
3 Hours (3-1)
A course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension, reading rate, vocabulary, and study skills. Course provides instruction in coping more effectively with reading requirements in students' other courses. Developmental Reading Lab I is required with this course.

READ 0371 Developmental Reading II
3 Hours (3-1)
A more advanced course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension, reading rate, vocabulary, and study skills. Course provides instruction in coping more effectively with reading requirements in students' other courses. Developmental Reading Lab II is required with this course.

RNSG 1108 Dosage Calculations for Nursing
1 Hour (0-3-0)
This course covers dosage calculations includes reading, interpreting and solving calculation problems encountered in the preparation of medications, and conversion of measurements within the metric, apothecary, avoirdupois and metric systems. Prerequisites: Approval of instructor.

RNSG 1162 Clinical I
1 Hour (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 1163 Clinical III
1 Hour (0-0-3)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 1200 Introductory Concepts of Clinical Decision Making
2 Hours (2-1-0)

This course is an examination of selected principles related to the continued development of the professional nurse as a provider of care, coordinator of care, and member of a profession. The course emphasizes clinical decision making for clients in medical-surgical settings experiencing health problems involving pain, perioperative care, infection, eye-ear-throat disorders, and integumentary disorders. Included in the course is a discussion of knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission into the program.

RNSG 1201 Pharmacology
2 Hours (2-1-0)
This course is an introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics will include the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework. Prerequisite: BIOL 2401.

RNSG 1215 Health Assessment
2 Hours (1-3-0)
This course covers the development of skills and techniques required for a comprehensive health assessment within a legal/ethical framework. Prerequisite: Admission to the program.

RNSG 1227 Transition from Vocational to Professional Nursing
2 Hours (1-3-0)
Topics covered in this course include health promotion, expanded assessment, analysis of data, nursing process, pharmacology, multidisciplinary teamwork, communication, and applicable competencies in knowledge, judgment skills, and professional values within a legal/ethical framework throughout the life span. Prerequisite: Admission to the program.

RNSG 1412 Nursing Care of the Childbearing and Childrearing Family
4 Hours (3-4-0)
This course is a study of the concepts related to the provision of nursing care for childbearing and childrearing families; application of systematic problem-solving processes and critical thinking skills, including a focus on the childbearing family during preconception, prenatal, antpartum, neonatal, and postpartum periods and the childrearing family from birth to adolescence; and competency in knowledge, judgment, skill, and professional values within a legal/ethical framework. Prerequisite: Admission into the program and PSYC 2314.

RNSG 1462 Clinical II
4 Hours (0-0-12)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 1513 Foundations for Nursing Practice
5 Hours (4-3-0)
This course is an introduction to the role of the professional nurse as a provider of care, coordinator of care, and member of the profession. Topics include but are not limited to the fundamental concepts of nursing practice, history of professional nursing, a systematic framework for decision-making, mechanisms of disease, the needs and problems that nurses help patients manage, and basic psychomotor skills. Emphasis on knowledge, judgment, skills, oral communications and professional values within a legal/ethical framework will be included. Prerequisite: Admission into the program.

RNSG 2130 Professional Nursing Review and Licensure Preparation
1 Hour (1-1-0)
This course is a review of concepts required for licensure examination and entry into the practice of professional nursing. The course includes application of the National Council Licensure Examination for Registered Nurses (NCLEX-RN) test plan, assessment of knowledge deficits, and remediation. Prerequisite: Admission into the program.

RNSG 2205 Intermediate Concepts of Clinical Decision Making II
2 Hours (2-1-0)
This course is an integration of previous knowledge and skills into the continued development of the professional nurse as a provider of care, coordinator of care, and member of a profession, The course emphasizes clinical decision making for clients in medical-surgical settings experiencing health problems involving reproductive and sexual disorders and musculoskeletal disorders. Included in this course is a discussion of knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission into the program.

RNSG 2207 Transition to Nursing Practice
2 Hours (1-3-0)
This course is an introduction to selected concepts related to the role of the professional nurse as a provider of care, coordinator of care, and member of the profession. The course will review trends and issues impacting nursing and health care today and in the future. Topics will include knowledge, judgment, skill, and professional values within a legal/ethical framework. Prerequisite: Approval of program director.

RNSG 2213 Mental Health Nursing
2 Hours (2-1-0)
This course covers principles and concepts of mental health, psychopathology, and treatment modalities related to the nursing care of clients and their families. Prerequisite: Approval of the program director and PSYC 2301.

RNSG 2261 Clinical Transition Option
2 Hours (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 2370, Complex Clinical Decision Making
3 Hours (3-1-0)
This course is an application of complex concepts and skills for development of the professional nurse's role in complex client/nursing situations. The emphasis is on clinical decision making for clients in medical-surgical settings experiencing health problems involving complex cardiovascular disorders; neurologic disorders; renal and urinary disorders; hematologic disorders; and complex oncological concepts. The focus will be knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission into the program.

RNSG 2400 Intermediate Concepts of Clinical Decision Making I
4 Hours (3-3-0)
This course is an integration of previous knowledge and skills into the continued development of the professional nurse as a provider of care, coordinator of care, and member of a profession, The course emphasizes clinical decision making for clients in medical-surgical settings experiencing health problems involving fluid and electrolyte disorders, respiratory disorders, peripheral vascular disorders, immunologic disorders, liver, biliary, and pancreatic disorders, gastrointestinal disorders, and endocrine and metabolic disorders. Included in this course is a discussion of knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission into the program.

RNSG 2461 Clinical IV
4 Hours (0-0-15)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 2560 Clinical V
5 Hours (0-0-21)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RSPT 1141 Respiratory Home Care/Rehabilitation
1 Hour (1-0-0)
This course is designed to develop an understanding of respiratory home care/rehabilitation equipment, procedures, and patient care, with emphasis on the use of special technology and equipment in the treatment of patients in home care and alternate settings.

RSPT 1160 Clinical III
1 Hour (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: RSPT 1360.

RSPT 1161 Clinical IV
1 Hour (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: RSPT 1160.

RSPT 1213 Basic Respiratory Care Pharmacology
2 Hours (2-0-0)
In this course the student will study basic pharmacological principles/practices of respiratory care drugs. Emphasis will be on classification, routes of administration, dosages/calculations, and physiological interaction.

RSPT 1260 Clinical I
2 Hours (0-0-8)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission to the program.

RSPT 1307 Cardiopulmonary Anatomy and Physiology
3 Hours (3-0-0)
In this course the student will gain an increased understanding of the anatomy and physiology of the cardiovascular, renal, and pulmonary systems. This will include the terminology used in respiratory physiology.

RSPT 1360 Clinical II
3 Hours (0-0-16)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: RSPT 1260.

RSPT 1410 Respiratory Care Procedures I
4 Hours (2-6-0)
This course provides students with the essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary diseases and their clinical application. The following areas are discussed in-depth; medical gas therapy, humidity and aerosol therapy, hyperinflation therapy, chest physiotherapy, pulse oximetry, arterial puncture, and interpretation. Patient assessment skills will also be addressed.

RSPT 1411 Respiratory Care Procedures II
4 Hours (3-3-0)
This course provides students with essential knowledge of airway care and mechanical ventilation. Airway care includes indications, techniques, equipment, and hazards and complications. Mechanical ventilation includes indications, initiation, modes, clinical application, management, complications, and weaning. Prerequisite: RSPT 1410.

RSPT 1425 Respiratory Care Sciences
4 Hours (4-1-0)
This course will provide a study of physics, math, chemistry and statistics as related to Respiratory Care.

RSPT 2130 Respiratory Care Examination Preparation
1 Hour (0-2-0)
This course is a comprehensive review for selected respiratory care credentialing examinations. Test matrices and exam content areas for selected exams will be presented.

RSPT 2135 Pediatric Advanced Life Support
1 Hour (0-2-0)
This is a comprehensive course designed to develop the cognitive and psychomotor skills necessary for resuscitation of the infant and child. Strategies for preventing cardiopulmonary arrest and identification of high risk infants and children will be presented.

RSPT 2139 Advanced Cardiac Life Support
1 Hour (1-0-0)
This is a comprehensive course designed to develop the cognitive and psychomotor skills necessary for resuscitation of the adult. Strategies for managing and stabilizing the cardiopulmonary arrested patient will be included.

RSPT 2247 Specialties in Respiratory Care
2 Hours (2-0-0)
This course provides an introduction to emerging and specialty practice in which the Respiratory Therapist may find application and/or employment. The depth of instruction will provide the indications, expected outcomes, hazards and methods for hyperbaric oxygen (HBO), extracorporeal membrane oxygenation (ECMO), nitric oxide (NO), sleep studies, nutritional assessment, metabolic monitoring, exercise/stress testing, and electroencephalograms.

RSPT 2255 Critical Care Monitoring
2 Hours (1-3-0)
In this course the students will be introduced to advanced monitoring techniques used clinically to assess a patient in the critical care setting.

RSPT 2305 Pulmonary Diagnostics
3 Hours (2-2-0)
In this course the student will study the theories and techniques involved in pulmonary function testing diagnostics with emphasis on blood gas theory and analysis, quality control, oximetry, and capnography.

RSPT 2310 Cardiopulmonary Disease
3 Hours (3-0-0)
This course will provide a discussion of etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.

RSPT 2353 Neonatal/Pediatric Cardiopulmonary Care
3 Hours (3-0-0)
In this course the student will study advanced concepts of acute care, monitoring, and management as applied to the neonatal and pediatric patient.

RSPT 2360 Clinical V
3 Hours (0-0-16)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: RSPT 1161.

RSPT 2361 Clinical VI
3 Hours (0-0-16)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: RSPT 2360.

SCIT 1407 Applied Human Anatomy and Physiology I
4 Hours (3-3-0)
This course is an indepth coverage of the structure and function of the human body. Topics include anatomical terminology, cell structure and function; tissues; body organization; and the integumentary, skeletal, muscular, nervous, and endocrine systems. The course emphasis is on homeostasis.

SCIT 1408 Applied Human Anatomy and Physiology II
4 Hours (3-3-0)
This course is a continuation of Applied Human Anatomy and Physiology I with an indepth coverage of the structure and function of the human body. Topics include the digestive, respiratory, cardiovascular, lymphatic/immune, renal/excretory, and reproductive systems. The course emphasis is on homeostasis. Prerequisite: SCIT 1407.

SGNL 1401 Beginning American Sign Language I
4 Hours (4-0)
Introduction to American Sign Language, covering finger spelling, vocabulary, and basic sentence structure in preparing individuals to communicate with the hearing impaired/deaf.

SGNL 1402 Beginning American Sign Language II
4 Hours (4-0)
A continuation of Beginning American Sign Language I. Prerequisite: SGNL 1401.

SGNL 2301 Intermediate American Sign Language I
3 Hours (3-0)
Review and application of conversational skills in American Sign Language; interpreting from signing to voice as well as from voice to signing. Prerequisite: SGNL 1402.

SGNL 2302 Intermediate American Sign Language II
3 Hours (3-2)
A continuation of Intermediate American Sign Language I. Prerequisite: SGNL 2301.

SOCI 1301 Introduction to Sociology
3 Hours (3-0)
In this class students are introduced to the basic concepts of sociology with emphasis on the relationship of culture and social interaction to group behavior; the analysis of social organization, human ecology, and social change.

SOCI 1306 Social Problems
3 Hours (3-0)
In "Social Problems" sociological concepts are applied to current social issues such as family and community disorganization and crime and delinquency.

SOCI 2301 Marriage and the Family
3 Hours (3-0)
In this course sociological analysis is applied to human relationships pertaining to the varied aspects of courtship, mate selection and marital adjustment, and to the problem of adjustment in each stage of the life cycle.

SOCI 2306 Human Sexuality
3 Hours (3-0)
"Human Sexuality" includes units relating to the biological, psychological, social and cultural aspects of sexuality. Also PSYC 2306.

SOCI 2319 American Minorities
3 Hours (3-0)
"American Minorities" is a sociological analysis of minority-majority group relations, past and present. It examines the causes and consequences of prejudice and discrimination and ways of combating them; it emphasizes the effects of social inequality of race and ethnicity. The sociological significance and historic contributions of the principal minority groups are presented.

SOCI 2320 Minority Issues
3 Hours (3-0)
"Minority Issues" examines current minority group issues and problems associated with the policies and programs of public and private agencies that impact the family, education, religion, politics and the economy.

SOCI 2326 Social Psychology
3 Hours (3-0)
"Social Psychology" is the study of how thoughts, feelings, and behaviors of individuals are influenced by the actual, imagined, and implied presence of others. Also PSYC 2319.

SOCI 2340 Drugs and Society
3 Hours (3-0)
The study of the use and abuse of drugs in today's society, emphasizing the sociological context in association with the physiological and phycological features. Examines the social and cultural factors that impact the addition process. Explores the effects of substance abuse on social institutions (Family, Education, Religion, Economics, Government, Health Care and Sports), as well as society's responses in the areas of prevention and rehabilitation.

SPAN 1300 Conversational Spanish
3 Hours (3-0)
This introductory course emphasizes the acquisition of comprehension, pronunciation, and reading skills. Mastery of vocabulary and standard idiomatic expressions is stressed through intensive conversational drill and practice in the classroom and laboratory. Material is presented in a Hispanic culture context.

SPAN 1411 Elementary Spanish I
4 Hours (3-4)
This course is for students who have no previous instruction in the language. It is designed to acquaint the student with the four basic language skills: listening, speaking, reading, and writing with emphasis on speaking and comprehension. Grammar and vocabulary are presented through intensive drills in class and in the Language Laboratory.

SPAN 1412 Elementary Spanish II
4 Hours (3-4)
This is a conversation course conducted primarily in Spanish for the student who has completed Spanish 1411 or its equivalent. Intensive oral-aural drill and classroom interaction will enable the student to master the lexical and grammatical structures necessary in carrying on conversations in Spanish. Prerequisite: SPAN 1411.

SPAN 2311 Intermediate Spanish I
3 Hours (3-2)
This course is conducted in Spanish, and it includes a comprehensive review of Spanish grammar and structure. Through classroom drill, discussion, and composition, the course emphasizes vocabulary expansion and the acquisition of a basic knowledge of Spanish culture and literature. Prerequisite: SPAN 1412 or equivalent.

SPAN 2312 Intermediate Spanish II
3 Hours (3-2)
A course designed to increase fluency in spoken and written Spanish through intensive grammar presentation and review, through conversational practice, and through composition and reading. Prerequisite: SPAN 2311 or equivalent.

SPAN 2321 Introduction to Spanish Literature
3 Hours (3-0)
This course is designed for those students who wish to acquire a basic background in Spanish and Latin American literature and culture. The course includes the reading of cultural essays, short stories, and poetry, which are a basis for class discussion and composition. Practice in speaking, reading, and writing provide for vocabulary expansion. Conducted in Spanish. Prerequisite: SPAN 2312.

SPAN 2324 Hispanic Literature
3 Hours (3-0)
A course designed to enable students through reading, discussion and writing to explore the fiction, drama, and poetry of Hispanic authors who write in English or who have been translated into English.

SPCH 1144, 1145, 2144, 2145 Speech Communication Workshop
1 Hour (0-3)
Laboratory course designed to enable students to participate in a wide variety of applied speech communication activities.

SPCH 1144, 1145, 2144, 2145 Speech Communication
1 Hour (0-3)
A course designed to enable students to participate in speech communication activities and research.

SPCH 1311 Introduction to Speech Communication
3 Hours (3-0)
A course designed to enable students to practice speech communication in interpersonal, small group, and public communication situations and to apply the concepts of communication theory.

SPCH 1315 Public Speaking
3 Hours (3-0)
A course designed to enable students to research, compose, organize, and deliver speeches for various purposes and occasions with emphasis on listener analysis and informative and persuasive techniques.

SPCH 1318 Interpersonal Communication
3 Hours (3-0)
A course designed to enable students to analyze and practice person-to-person communication with focus on the development, maintenance, and termination of relationships. Oral presentations and listening skills are emphasized and developed.

SPCH 1321 Business and Professional Speaking
3 Hours (3-0)
A course designed to enable students to apply the skills of speech communication as they relate to business and professional situations. Practice in public presentations, organizational and small group settings, interviewing, and leadership techniques are emphasized.

SPCH 1342 Voice and Diction
3 Hours (3-0)
A course designed to enable students to study the physiology and mechanics of effective voice production with practice in articulation, pronunciation, enunciation, and practical use of the International Phonetic Alphabet. Recommended for students studying English as a Second Language.

SPCH 2289 Academic Cooperative
2 Hours (2-2)
An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of speech communication.

SPCH 2301 Introduction to Technology and Human Communication
3 Hours (3-0)
A survey of emerging interactive communication technologies and their influence on human communication, including interpersonal, group decision-making, and public and private communication contexts.

SPCH 2316 Interviewing
3 Hours (3-0)
A course designed to enable the student to apply communication concepts in selected interview settings with emphasis on dyadic communication, questioning techniques, interview structure, and persuasion.

SPCH 2333 Discussion and Small Group Communication
3 Hours (3-0)
A course designed to enable students to apply discussion and small group theories and techniques as they relate to group processes and interaction.

SPCH 2335 Argumentation and Debate
3 Hours (3-0)
A course designed to enable students to study the principles of argumentation and debate. Practice in briefing, evidence, and refutation.

SPCH 2341 Oral Interpretation
3 Hours (3-0)
A course designed to enable students to practice techniques of analyzing and interpreting literature through preparation and presentation of various literary forms.

SPCH 2389 Academic Cooperative
3 Hours (3-3)
An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of speech communication.

SSP 0201 Student Success
2 Hours (2-0)
This course is designed to introduce specific strategies that will assist a college student to prepare for college classes, determine educational goals, and identify personal strengths in learning and career interests. Each student will confer with an academic mentor to help the student connect to the college community and support their endeavor to be successful in college.

SSP 0210 Student Success: Health Care Studies
2 Hours (2-0)
For all students planning to enter the health care profession, this course is designed to introduce specific strategies that will assist college students in preparing for college classes, to determine their educational goals, and to identify their personal strengths in learning and career interests. Students will confer with an academic mentor who will help them connect to the college community and support their endeavor to be successful in college. In addition, this course is an overview of the roles of the various members of the health care system, educational requirements, and issues affecting the delivery of health care.

TECA 1303 Families, School and Community
3 Hours (3-0-0)
This course is a study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. The course includes 15 hours of field experience.

TECA 1311 Educating Young Children
3 Hours (3-0-0)
This course is an introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. The course includes 15 hours of field experience.

TECA 1318 Wellness of the Young Child
3 Hours (3-0-0)
This course is a study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness and safety practices. The focus is on local and national standards and legal implications of relevant policies and regulations. The course includes 15 hours of field experience.

TECA 1354 Child Growth and Development
3 Hours (3-0-0)
This course is a study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. The course includes 15 hours of field experience.

TECM 1303 Technical Calculations
3 hours (3-0)
Specific mathematical calculations required by business and industry. Includes whole numbers, fractions, mixed numbers, decimals, percents, ratios, and proportions. Also covers converting to different units of measure (standard and/or metric). Students will solve business/industry problems using addition, subtraction, multiplication, and division; convert between whole numbers, fractions, mixed numbers, and decimals; perform calculations involving percents, ratios, and proportions; and convert numbers to different units of measurement (standard and/or metric).

TMGT 3302 Business and Economic Statistics
3 Hours (3-0)
An introduction to descriptive statistics and statistical inference for technical managers. Topics include sampling techniques, estimation, hypothesis testing, and simple regression.

TMGT 3303 Managerial Communications
3 Hours (3-0)
A study of the skills necessary to communicate effectively in the workplace. Topics include selection of the proper channel and medium for information delivery, team building, business etiquette, and professionalism. Students will analyze and prepare correspondence, proposals, and reports. Students are required to deliver industry-related oral presentations of each student's choosing. Prerequisite: ENGL 1301.

TMGT 3305 Organizational Theory and Practice
3 Hours (3-0)
A comprehensive analysis of individual and group behavior in organizations. Its purpose is to provide an understanding of how organizations can be managed more effectively and at the same time enhance the quality of employee work life. Topics include motivation, goal setting and rewards, job design, group dynamics, work stress, power and politics, international aspects of

organizations, organizational structure, communication and organizational change and development.

TMGT 3310 Decision Making
3 Hours (3-0)
Analytic and systematic approach to the study of decision making through management science processes and techniques. Topics include quantitative analysis and decision-making relationships, simulation and risk analysis, and decision analysis using various criteria. Prerequisite: TMGT 3302 or MATH elective.

TMGT 3311 Human Resources Management
3 Hours (3-0)
This course examines the major trends in human resources management, including problems and issues faced by organizations and individuals in times of change. Responsibilities of the human resources department and the roles that every manager plays, both as a supervisor and as a client of the human resources department, are studied. Topics include human resources forecasting and planning, job design, employee selection, equal employment opportunity laws and judicial rulings, performance appraisal, compensation and benefits, career development, and labor relations.

TMGT 3336 Legal Issues for Managers
3 Hours (3-0)
This course explores the State and federal laws that affect management behavior and organizational practices including contracts, business organizations, employment law, products liability, safety issues, and environmental regulation.

TMGT 3337 Economics for Managers
3 Hours (3-0)
A study of economics and its role in managerial decision making. The course is focused on modern economic thinking and its relevance to business and management. Topics include market structure, production and cost, and public policy towards business.

TMGT 3338 Accounting for Managers
3 Hours (3-0)
The use of accounting information by non-financial managers. Emphasis is placed on the interpretation, rather than the construction, of accounting information. The course will examine the technical managerial skills required to sustain and enhance the organizations performance through the accounting and finance processes of reporting, compliance, research, analysis, interpretation and application. Topics such as activity-based costing, cost accounting, break-even and decision analysis, and budgeting and control are covered.

TMGT 3347 Ethics and Corporate Social Responsibility
3 Hours (3-0)
This course will examine the role of ethics and social responsibility in the management of public and private sector organizations. An emphasis will be on contemporary trends in corporate responsibilities with respect to ethical, legal, economic and regulatory conditions in the global marketplace.

TMGT 3352 Entrepreneurship
3 Hours (3-0)
This course presents a comprehensive study of the various factors of production in meeting the needs of consumers in creative and profitable ways. Topics include market segment research, starting a new enterprise, forming an entrepreneurial team, venture capital sources, and formulation of a business plan.

TMGT 3353 International Business
3 Hours (3-0)
This course provides an overview of the international business environment and conditions affecting firms conducting business overseas. Special emphasis will be placed on managerial functions and elements of the management process in a firm operating under foreign economic, technological and political, social, and cultural environments.

TMGT 3354 Leadership
3 Hours (3-0)
This course examines the nature and scope of leadership as it relates to applied technology and workforce training environments; the techniques for leadership, empowerment and team building are emphasized.

TMGT 3355 Mediation and Negotiation
3 Hours (3-0)
This course examines the nature of conflict and the methods to resolve conflict with an emphasis on collaborative problem solving and mediation. The theory and practice of negotiations are also studied, and students are given the opportunity to practice negotiation and mediation techniques through case study. Ethical decision making throughout these processes is addressed.

TMGT 3356 Oil and Gas Industry
3 Hours (3-0)
This course introduces the student to the development of multiple-use resource management strategies and the role of public policy in energy resource management. Topics include legal, regulatory, and operational requirements of energy production, refining, and transportation enterprises.

TMGT 3357 Introduction to Public Administration
3 Hours (3-0)
This course examines the origin and development of public administration as a discipline and profession. The purpose of this course is to provide students with a broad introduction to the field of Public Administration by providing introductory knowledge of the public sector, its practices, and its tools. Students will learn some of the concepts, issues, and challenges facing public administrators in federal, state, and local governments.

TMGT 3358 Network Security Management
3 Hours (3-0)
This course provides a strategic overview of network security management, including a review of the types of network security problems, best practices, cost analysis of different types of network security and network security policies.

TMGT 3359 Bank Operations
3 Hours (3-0)
This course introduces the system of bank accounting. Topics include the deposit operations of banks in the context of their regulatory environment; bank payment systems, with emphasis on check clearing operations and electronic funds transfer systems; audit and internal control systems in computerized banking operations; bank examination processes; and operational planning.

TMGT 3360 Credit Administration
3 Hours (3-0)
This course examines the decision process of issuing cred-it as well as collection techniques in dealing with delinquent accounts will be studied. Principles of credit evaluation, opened credit, marketing bank services, collection policies and procedures, legal aspects, financial statements analysis, direct and indirect installment lending, leasing and other special situations, installment credit department management, insurance, and rate structure

and yields are discussed.

TMGT 3361 Principles of Banking
3 Hours (3-0)
This course presents principles, practices, and theories used in commercial banking, credit unions, savings and loans, finance companies, and other financial intermediaries will be compared to domestic bank operations. Various financial regulatory institutions will also be studied.

TMGT 3362 Government Regulation of Banking
3 Hours (3-0)
This course examines federal and state laws and regulations pertaining to banking with emphasis on deposit, lending, information reporting, operations, and establishing a compliance program.

TMGT 3391 Information Technology in Enterprise Management
3 Hours (3-0)
The use of information technology in commercial and industrial enterprises. Topics include the use of computers and software in communication, accounting, inventory management, production, automation, sales, and financial forecasting.

TMGT 4303 Electronic Commerce
3 Hours (3-0)
This course addresses issues including the digital economy, electronic commerce (EC) marketing, EC models and applications, and building and implementing EC systems. The course will cover the underlying technologies used in the implementation of electronic commerce systems. It identifies the practical skills needed and tools to design and develop effective systems and interfaces. Architectures and interdependence of systems and software that support EC and the state of the art in successful EC systems will also be discussed.

TMGT 4320 Organizational Design and Management Seminar
3 Hours (3-0)
Students work in teams on instructor-approved industry-specific projects; teams will formulate an implementation plan using technology management skills to identify problems and formulate solutions. Each team will make a formal presentation for peer review. Prerequisites: Senior classification or approval of program director.

TMGT 4385 Organizational Management Internship
3 Hours (0-0-18)
This internship course is designed to provide organizational management students a broad exposure to the operations of a company or public service agency and knowledge of the structure, goals, and work procedures of the organization by participating in planned and supervised activities. Students will have the opportunity to combine academic learning with practical experience while pursuing their organizational management degree. Prerequisites: Senior classification or approval of program director.

TMGT 4396 Project Management
3 Hours (3-0)
A study of risk assessment and management techniques, methods, and models used in industry to minimize and control risks in a high technology industrial environment. Instructional topics include project management risks, program schedule, and cost risks. Prerequisites: Senior classification or approval of program director.

VHPA 1341 Auto Parts Counter Sales
3 Hours (3-0)
Skill development in communications, sales, and merchandising of auto parts to vehicle owners and repair technicians with an emphasis on customer relations, communication, sales, and merchandising skills.

VNSG 1126 Gerontology
1 Hour (1-0-0)
This course is an overview of the normal physical, psychosocial, and cultural aspects of the aging process including common disease processes of aging and exploration of attitudes toward care of the older adult.

VNSG 1136 Mental Health
1 Hour (1-0-0)
This course is an introduction to the principles and theories of positive mental health and human behaviors, including emotional responses, coping mechanisms, and therapeutic communication skills.

VNSG 1219 Leadership and Professional Development
2 Hours (2-0-0)
This course is a study of the importance of professional growth and development of added nursing skills. Topics will include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education.

VNSG 1230 Maternal-Neonatal Nursing
2 Hours (2-0-0)
This course covers the utilization of the nursing process in the assessment and management of the childbearing family. Emphasis will be on the bio-psycho-socio-cultural needs of the family during the phases of pregnancy, childbirth, and the neonatal period including abnormal conditions.

VNSG 1234 Pediatrics
2 Hours (2-0-0)
This course is a study of childhood diseases and childcare from infancy through adolescence. The focus is on the care of the well and the ill child utilizing the nursing process.

VNSG 1238 Mental Illness
2 Hours (2-0-0)
This course is a study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process.

VNSG 1304 Foundations of Nursing I
3 Hours (3-0-0)
This course is an introduction to the nursing profession including history, standards of practice, legal and ethical issues, and the role of the vocational nurse. Topics will include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness.

VNSG 1420 Anatomy and Physiology for Allied Health
4 Hours (3-2-0)
This course is an introduction to the normal structure and function of the body including an understanding of the relationship of body systems in maintaining homeostasis.

VNSG 1423 Basic Nursing Skills
4 Hours (2-6-0)
This course is a mastery of entry level nursing skills and competencies for a variety of health care settings. The nursing process will be utilized as the foundation of all nursing interventions.

VNSG 1509 Nursing in Health and Illness II
5 Hours (4-3-0)
This course is an introduction to common health problems requiring medical and surgical interventions.

VNSG 2362 Clinical III
3 Hours (0-0-13)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2431 Advanced Nursing Skills
4 Hours (2-6-0)
This course is a mastery of advanced level nursing skills and competencies in a variety of health care settings utilizing the nursing process as a problem-solving tool.

VNSG 2460 Clinical I
4 Hours (0-0-18)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2461 Clinical II
4 Hours (0-0-12)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VTHT 1160 Clinical I - Veterinary Technology
1 Hour (0-6)
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical profession. Prerequisites: Permission from director. Co-requisite: VTHT 2213.

VTHT 1161 Clinical II - Veterinary Technician
1 Hour (0-6)
Continuation of a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct super vision is provided by the clinical profession. Prerequisites: Permission from director, VTHT 1160 and VTHT 2213 Co-requisites: VTHT 2201 and VTHT 2325.

VTHT 1205 Veterinary Medical Terminology
2 Hours (2-0)
Introduction to word parts, directional terminology, and analysis of common veterinary terms. Prerequisite: Permission from director.

VTHT 1209 Veterinary Nutrition
2 Hours (2-0)
Fundamentals of energy and non-energy producing nutrients and their sources and functions. Integration of concepts including digestion, absorption, and metabolism with application to normal and therapeutic nutritional needs. Prerequisite: Permission from director.

VTHT 1225 Pharmacological Calculations
2 Hours (1-2)
Skill development in calculating oral and parental drug dosages. Prerequisite: Permission from director. Must pass THEA

VTHT 1301 Introduction to Veterinary Technology
3 Hours (3-2)
Survey of the profession of veterinary technology with emphasis on basic techniques, handling and care of animals, and ethical and professional requirements. Prerequisite: Permission from director.

VTHT 1317 Veterinary Office Management
3 Hours (2-2)
Practical experience in management of the veterinary practice. Emphasis on client relations, record keeping, inventory, employment skills, and computer skills in the veterinary environment. Prerequisite: Permission from director. Must Pass THEA.

VTHT 1345 Veterinary Radiology
3 Hours (2-3)
Presentation of theory and principles and practical application of radiology within the field of veterinary medicine. Prerequisites: Permission from director, VTHT 1160, VTHT 1161, VTHT 1413, VTHT 2201, VTHT 2213, VTHT 2325. Co-requisite: VTHT 2260.

VTHT 1349 Veterinary Pharmacology
3 Hours (3-0)
Fundamentals of pharmacology including recognition, calculation, labeling, packaging, and administration of common veterinary drugs, biologics, and therapeutic agents. Discussion of normal and abnormal responses to these agents. Prerequisites: Permission from director. Must pass THEA, CHEM 1405 and VTHT 1225.

VTHT 1413 Veterinary Anatomy and Physiology
4 Hours (3-3)
Gross anatomy of domestic animals including physiological explanations of how each organ system functions. Prerequisites: Permission from director. VTHT 1205.

VTHT 1441 Anesthesia and Surgical Assistance
4 Hours (3-4)
In-depth application of surgical, obstetrical, and anesthesia techniques including identification and use of instruments and equipment. Prerequisites: Permission from director. Must pass THEA. VTHT 1160, VTHT 1161, VTHT 1205, VTHT 1225, VTHT 1301, VTHT 1345, VTHT 1413, VTHT 2201, VTHT 2213. VTHT 2161, VTHT 2323, VTHT 2435.

VTHT 2160 Clinical III - Veterinary Technician
1 Hour (0-6)
Continuation of a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical profession. Prerequisites: Permission from director, VTHT 1160 and VTHT 1161. Co-requisite: VTHT 1345.

VTHT 2161 Clinical III - Veterinary Technician
1 Hour (0-6)
Continuation of a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical profession. Prerequisites: Permission from director, VTHT 1160, VTHT 1161 and VTHT 2160. Co-requisite: VTHT 2439.

VTHT 2201 Canine and Feline Clinical Management
2 Hours (1-4)
Survey of feeding, common management practices, and care of canines and felines in a clinical setting. Review of common diseases of canines and felines encountered in the practice of veterinary medicine. Prerequisites: Permission from director, VTHT 1160, and VTHT 1317. Co-requisite: VTHT 1161.

VTHT 2213 Lab Animal Clinical Management
2 Hours (1-3)
Survey of feeding, common management practices, and care of laboratory animals in a clinical setting. Review of common diseases of laboratory animals encountered in the practice of veterinary medicine. Prerequisites: Permission from director. Co-requisite: VTHT 1160.

VTHT 2271 License Preparation
2 Hours (2-0)
Review of the Veterinary Technology Curriculum in preparation for students/graduates to take the National and Texas State board exams. Prerequisite: Permission of director.

VTHT 2323 Veterinary Clinical Pathology I
3 Hours (2-4)
In-depth study of hematology and related chemistries with emphasis on lab procedures. Prerequisites: Permission from director, CHEM 1405, BIOL 2421, VTHT 1205 and VTHT 2201, VTHT2213, VTHT 2325, VTHT 2421.

VTHT 2325 Large Animal Assisting Techniques
3 Hours (3-4)
Study of basic restraint and proper management, treatment, and medication techniques for farm animals. Prerequisites: Permission from director, VTHT 1160. Co-requisite: VTHT 1161.

VTHT 2366 Practicum
3 Hours (0-25)
Practical general workplace training supported by an individualized learning plan developed by the employer, college, and student. The guided external experiences may be paid or unpaid. This course may be repeated if topics and learning outcomes vary. Prerequisite: Permission of director. Course Fee.

VTHT 2421 Veterinary Parasitology
4 Hours (3-3)
Study of parasites common to domestic animals including zoonotic diseases. Prerequisites: Permission from director, CHEM 1405 and VTHT 1205.

VTHT 2435 Advanced Veterinary Anatomy and Physiology
4 Hours (3-3)
Continuation of anatomy of domestic animals including physiological explanations of the functioning of each system. Prerequisites: Permission from director, VTHT 1205 and VTHT 1413.

VTHT 2439 Veterinary Nursing Care
4 Hours (3-4)
A capstone course requiring integration of course work in the field of veterinary technology. The student must demonstrate competencies expected of an entry level registered veterinary technician. Prerequisites: Permission from director. Course fee. This is a required course and can only be taken during the final semester before graduating. Co-requisite: VTHT 2161.

WIND 1300 Introduction to Wind Energy
3 hours (2-2)
Introduction of the evolution of wind technology, wind farm design, and characteristics of energy sources. Students will describe the evolution of wind turbine technology; identify general wind terminology; and explain air flow characteristics and blade efficiencies.

WIND 2310 Wind Turbine Materials and Electromechanical Equipment
3 hours (2-2)
Identification and analysis of the components and systems of wind turbine. Students will describe impacts of heat generation on various materials and heat control mechanisms; define the effects of machining and heat treating on metals as they relate to predictable failures; identify components of turbine system; describe types and specifications of fasteners; and identify the effects of torque, lubricants, and hydraulic types of gear boxes.

WIND 2355 Wind Turbine Troubleshooting and Repair
3 hours (2-3)
Operation, maintenance, troubleshooting, and repair of wind turbine electro-mechanical systems. Students will diagnose and repair electromechanical equipment; utilize Supervisor Control and Data Acquisition (SCADA); interpret technical manuals, computer databases, regulatory documents, and maintenance history as a predictive tool; and implement an active/predictive maintenance plan.

WIND 2359 Wind Power Delivery System
3 hours (2-2)
Components, equipment, and infrastructure used in the production and transmission of electricity as related to wind turbine power. Students will explain the operation of power production; describe power transmission components; identify the operational relationship between the generator and convertor; compare the authority of local area, state, and national jurisdiction as related to the electrical grid; and interpret grid schematics.

WIND 2370 Wind Energy Composites
3 hours (2-2)
Comprehensive concepts of the inspection and repair of composite material used in the wind energy. Emphasizes types of material and causes for deterioration. Includes properties, processes, testing, and assembly of composite material. Also addresses safety procedures. Students will select, install, repair, and remove special composite structures; and identify methods by which corrosion can be monitored and controlled.

WLDG 1391 Special Topics in Welding Technology
3 Hours (3-0)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

WLDG 1437 Introduction to Metallurgy
4 Hours (3-2)
A study of ferrous and nonferrous metals from the ore to the finished product. Emphasis on metal alloys, heat treating, hard surfacing, welding techniques, forging, foundry processes, and mechanical properties of metal including hardness, machinability, and ductility. Safe use of Metallurgy and Chemical equipment.

WLDG 1521 Introduction to Welding Fundamentals
5 Hours (3-6)
An introduction to the fundamentals of equipment used in oxy-acetylene welding (OFW-A) and shielded metal arc welding (SMAW), including welding and cutting safety, basic oxy-acetylene welding and cutting, basic arc welding processes and basic metallurgy. The student will demonstrate safety procedures associated with equipment; and identify ferrous and nonferrous metals.

WLDG 1525 Introduction to Oxy-Fuel Welding (OFW) and Cutting (OFC)
5 Hours (3-6)
An introduction to OFW and OFC, including history and future in welding, safety, setup and maintenance of OFW and OFC equipment and supplies. The student will describe or explain OFW and OFC safety procedures and identify and classify fuels and filler metals. The student will perform entry-level OFW and OFC operations and select proper equipment and materials. Co-requisite: WLDG 1521.

WLDG 1530 Introduction to Gas Metal Arc Welding (GMAW)
5 Hours (3-6)
A study of the principles of GMAW setup and use of GMAW equipment, and safe use of tools/equipment. Instruction in various joint designs. The student will describe welding positions with various joint designs on plate; describe safety rules and equipment used; describe the effects of welding parameters in GMAW; and understand safety rules, equipment used, and testing performed by visual inspection. Student will weld various types of structural material and diagnose welding problems and perform visual inspections. Co-requisite: WLDG 1521.

WLDG 1534 Introduction to Gas Tungsten Arc Welding (GTAW)
5 Hours (3-6)
An introduction to the principles of GTAW, setup/use of GTAW equipment, and safe use of tools and equipment. Welding instruction in various positions and joint designs. The student will describe various joint designs; describe safety rules and equipment; and describe the effects of welding parameters in GTAW; and will weld various structural materials. Requisite: WLDG 1521.

WLDG 1553 Intermediate Layout and Fabrication
5 Hours (3-6)
A course which covers design and production of shop layout and fabrication. Emphasis placed on symbols, blueprints, and written specifications. The student will identify auxiliary views and calculate steel and pipe dimensions using layout tools and construction templates. The student will identify fittings, weldments, templates, and tools; and interpret orthographic and isometric drawings.

WLDG 1557 Intermediate Shielded Metal Arc Welding (SMAW)
5 Hours (3-6)
A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. The student will identify principles of arc welding; describe SMAW operations of fillet and groove joints; explain heat treatments of low alloy steels; and explain weld size and profiles. The student will prepare test plates; perform fillet welds in the overhead position; perform Air Carbon Arc Cutting (CAC-A), weld removal; perform bevel groove welds with backing plates in various positions; and demonstrate safe use of tools and equipment. Co-requisite: WLDG 1521.

WLDG 2331 Advanced Blueprint Interpretation and Cost Analysis
3 Hours (3-0)
An advanced course on interpretation, and blueprint reading with emphasis placed on inspection, cost analysis, and estimating, including instruction in basic drafting skills.

WLDG 2355 Advanced Welding Metallurgy
3 Hours (2-2)
A study of metallurgy as it applies to welding, including structure, identification, and testing of metals; temperature changes and their effect on welded metals; properties of metals, and factors affecting weldability of ferrous and nonferrous metals.

WLDG 2380 and 2381 Cooperative Work Experience
3 Hours (1-0-20)
The student will be exposed to the application of career-related activities encountered in the Welding area of specialization. The student is required to work a minimum of 20 hours per week in a paid job in a welding trades cooperative position under the supervision of the college and training sponsor.

WLDG 2506 Intermediate Pipe Welding
5 Hours (3-6)
A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) process. Position of welds will be 1G, 2G, 5G, and 6G using various electrodes. Topics covered include electrode selection, equipment setup, and safe shop practices. The student will describe equipment and required pipe preparation. The student will perform 1G, 2G, 5G, and 6G welds using various electrodes. Prerequisite: WLDG 2543 Capstone course.

WLDG 2535 Advanced Layout and Fabrication
5 Hours (3-6)
A continuation of the Intermediate Layout and Fabrication course which covers production and fabrication of layout tools and processes. Emphasis on application of fabrication and layout skills. The student will apply appropriate techniques of fabrication; design welding projects; prepare drawings and produce templates. The student will apply layout offsets; take offs; bills of materials; and apply mathematical concepts in the construction of projects. Safety will be stressed. Prerequisite: WLDG 1553 and WLDG 1557.

WLDG 2539 Advanced Oxy-Fuel Welding (OFW) and Cutting (OFC)
5 Hours (3-6)
A study of all position welding on ferrous and nonferrous metals using OFW processes, including welding, cutting, brazing, and soldering operations. The student will identify and explain OFW procedures; and select proper tools, equipment and materials. The student will perform advanced OFW and OFC operations; and identify and select appropriate tools, equipment, and materials. Safety will be stressed. Prerequisite: WLDG 1525.

WLDG 2543 Advanced Shielded Metal Arc Welding (SMAW)
5 Hours (3-6)
Advanced topics based on accepted welding codes. Training provided with various electrodes in SMAW processes on open V-groove joints in all positions. The student will describe effects of preheating and postweld heating; explain precautions used when welding various metals and alloys; distinguish between qualification and certification procedures; and discuss problems of welding discontinuities. The student will perform open groove welds with mild steel and low alloy electrodes in all positions. Safety will be stressed. Prerequisite: WLDG 1557.

WLDG 2547 Advanced Gas Metal Arc Welding (GMAW)
5 Hours (3-6)
Advanced topics in GMAW welding, including welding in various positions and directions on plate and pipe with .035, .045 and innershield wire with various shielding gases. The student will exhibit expertise in various welding positions on pipe; describe safety rules and equipment used; and describe the effects of welding parameters in GMAW. The student will weld various joint designs and diagnose welding problems and perform visual inspection. Prerequisite: WLDG 1530.

WLDG 2551 Advanced Gas Tungsten Arc Welding (GTAW)
5 Hours (3-6)
Advanced topics in GTAW welding, including welding in various positions and directions. The student will exhibit expertise in various welding positions; describe safety rules and equipment used; and describe the effects of welding parameters in GTAW. The student will weld various joint designs; diagnose welding problems; and perform visual inspection. Prerequisite: WLDG 1534.

WLDG 2553 Advanced Pipe Welding
5 Hours (3-6)
Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes. Prerequisite: WLDG 2543 Capstone course.

Glossary

Section Contents

The following pages contain an alphabetized list of terms, either specific to Midland College, or used generally at colleges and universities.

Glossary

Academic advisor—a Midland College staff member who is trained to assist students with course planning, degree selection, transfer information and career opportunities.

Academic calendar— the calendar of class days, holidays, and early dismissals during all sessions of an academic year which runs from fall through summer.

Academic probation—the situation that occurs if a student's grade point average (GPA) falls below a 2.0 or if a student fails to complete at least ½ of the courses attempted during the semester; a student on academic probation can enroll only through an academic advisor.

Academic restriction—the situation that occurs when a student fails to raise GPA after being on academic probation for a semester; a student on academic restriction may enroll only through an academic advisor and for two classes per semester.

Adjunct faculty—instructors who are employed part-time.

ATC—Advanced Technology Center, a Midland College facility at 3200 W. Cuthbert in Midland, which provides numerous technology classes, primarily for the concurrent student and workforce development programs.

BlackBoard—the program used at Midland College when taking online (web) courses. Some Midland College instructors also use this program for courses taught in the classroom.

CTB—Cogdell Technical Building, a Midland College facility located at 111 E. Florida in Midland, which provides diesel technology courses for both High School and College students.

Campus Connect—the Midland College online registration program. In addition to adding and dropping classes, Campus Connect is the place where a student can access final semester grades, unofficial transcript, unofficial degree plan, semester schedule, and account status.

Capstone course—a course designed to help students synthesize and consolidate the knowledge gained in a course of study; usually the last course in a degree.

Catalog—the annual publication which lists Midland College information such as faculty, administrators, degree plans, courses, financial aid, types of credit by exam, entrance requirements, due process, expectations for student behavior, and so forth.

Census date—the official enrollment reporting date as defined by the state of Texas. In a fall or spring semester it is the 12th class day; in a summer semester it is the 4th class day; in a mini-semester it is the 2nd class day.

Certificate—a College document issued to a student who has completed a concentrated course of study in one area; certificates are awarded in vocational-technical programs such as Welding Technology.

College readiness—the status attained by a student in reading, writing, and mathematics either by passing one of the state-approved exams or by success in meeting Midland College's standards through developmental coursework and testing.

Commencement—a public ceremony for the purpose of conferring degrees, awarding honors, and recognizing student achievements.

Cooperative education course—a course in which students receive lecture instruction and practical experience at a worksite; may be referred to as an internship.

Core requirements (core curriculum, "the basics")—courses in the liberal arts, humanities, sciences, and political, social, and cultural history, that students must complete as part of coursework for a degree. Associate degrees require 15 semester credit hours of core curriculum; baccalaureate degrees require 42 semester credit hours of core curriculum. Some core requirements are specified; others are electives that may be selected from a list of available courses.

Co-requisite—a course that must be taken before or at the same time as another course, for example, a spreadsheet course that accompanies a computerized accounting course.

Course Number—a combination of a prefix that designates the subject area and a number that designates a particular course. The course number has four digits. The first number represents level: 1=freshman, 2=sophomore, 3=junior, 4=senior, 0=developmental. The second number is the number of semester credit hours awarded for completion of the course. The last two numbers are used to identify specific courses. Example: ENGL 1301 = English course, freshman level, three semester credit hours, first course in the English sequence.

Credit by exam—college course credit earned by taking a test rather than attending class. The CLEP test is a common method of granting credit by exam.

Cross-listed courses—courses which are offered by more than one department; though the department differs, cross-listed courses typically have the same course number.

Degrees—Associate of Arts (A.A.) and Associate of Science (A.S.) degrees are the first two years of a baccalaureate degree. Coursework includes the core curriculum and a field of study. Associate of Applied Science (A.A.S.) degrees are credentials leading to a career after two years of college. Coursework includes some core curriculum courses and vocational-technical courses. General Studies (A.A.G.S. and A.S.G.S.) degrees are awarded to students who have completed 62 hours of coursework, including some core curriculum, but who have not selected a major. Baccalaureate degrees include a Bachelor of Applied Technology (B.A.T.), Bachelor of Science (B.S.), Bachelor of Arts (B.A.), Bachelor of Applied Arts and Sciences (B.A.A.S.). The B.A.T. and B.A.A.S. degrees combine technical-vocational coursework with core curriculum. Midland College awards a B.A.T. degree.

Degree audit—a report of the student's progress on his chosen degree plan.

Degree plan—the courses required to complete a particular degree. These are listed in the catalog under each program of study. A student must have an official degree plan on file with the appropriate dean's office and the Registrar's Office in order to be eligible to graduate.

Glossary

Departmental exam (challenge exam)—a form of credit by exam test given by a department at Midland College which might earn a student credit for a course. A departmental exam is used when a national standardized exam is not available.

Developmental courses—non-credit, non-transferable courses designed to help students attain college readiness in reading, writing, and mathematics or to help students improve language use, study or general college skills.

Distance Learning—classes in which a significant part of the instruction occurs with student and instructor separated in space and/or time.

Division Dean—the administrator of an academic division (a group of academic departments); at Midland College, there are six deans, one for each of the following divisions: Adult & Developmental Education, Business Studies, Fine Arts & Communications, Health Sciences, Mathematics & Science, Technical Studies, and Social and Behavioral Sciences/Education Studies.

Drop—the deletion of a class(es) from a student's course load prior to census date. There is no record of a dropped class on a student's transcript.

Dual Credit—courses taken for both high school and college credit.

Elective—a course chosen by the student to finish a degree; sometimes the elective must be chosen from an approved list of courses.

Faculty advisor—a member of the full-time faculty who acts as a student's academic advisor; often, the faculty member is an instructor in the student's field of study.

Field of study—a group of freshman and sophomore classes that are the basis of a major in a baccalaureate degree.

Full-time student—a student who is taking 12 or more semester credit hours in any fall or spring semester.

GPA—grade point average, which is calculated by multiplying the number of semester credit hours in a course by points awarded for the grade in the course. (4 points for an A, 3 for a B, 2 for a C, and 1 for a D.) The points for all courses are added together and divided by the total number of semester credit hours. A GPA is computed by semester; cumulative GPA encompasses the student's entire boy of work at one institution.

Hold—a flag placed on the student's college records due to an obligation not met. A hold will prevent the student from registering. For example, holds may be placed for parking fines, borrowed equipment, or failure to provide transcripts.

Intent to graduate—A form that must be on file in the Registrar's Office in order to graduate. This form is available in the Registrar's Office or online at www.midland.edu at "Fast Links".

LRC—Fasken Learning Resource Center houses library services, various student labs, interactive classrooms, and staff offices.

MCNet course—a class taught by videoconferencing (distance learning) which connects local Midland College students and students located on other campuses.

Prerequisite—a course which must be completed successfully (with a passing grade) before a student can take the next course in the sequence (ex: ENGL 1301 is the prerequisite for ENGL 1302).

Reinstatement—the procedure by which a student is re-enrolled into his/her original class schedule after being dropped. In order to be reinstated, the student must obtain written faculty approval and must pay all tuition & fees including a $65 reinstatement/late fee. Reinstatement can only be done within 7 days of the census date.

Schedule—the publication which lists courses and sections available, times and locations and instructors, and the semester calendar. A schedule is published for each long semester and the interim/summer semesters.

Section—identifies a class at a particular date and time. In Midland College's course numbering system, the section number follows the course number. A course number may have many sections being taught at different times.

Semester hour—unit that measures the amount of credit awarded for a class and is a combination of time spent in lecture and time spent in a lab; for example, 3 semester hour normally means 3 hours of lecture in class per week, for the duration of the semester.

Syllabus—a written course guide which contains information about grading policies, texts needed, contact information, and course due dates.

Technical-vocational courses—courses having an emphasis on industry-related skills and careers. Vocational-technical courses have limited transferability to a baccalaureate degree.

Transcript—the record of courses attempted, grades earned, transfer credit awarded, TSI (THEA) status and GPA. A transcript is official only if dated, signed by the Registrar and embossed with the Midland College seal.

Transcript evaluation—the determination of transferability credit earned from another college/university or military training can be applied to a Midland College program of study. Transfer credit for courses taken elsewhere is awarded after a transcript evaluation.

Transfer courses (academic courses)—courses that emphasize general education or a field of study; these courses can usually be transferred to another educational institution but may not be accepted within a particular degree plan. The receiving institution determines whether a course will transfer.

Withdrawal—a reduction in a student's course load after census date. A withdrawal appears on the transcript as a grade of "W" but is not computed into the GPA. Students may not withdraw after 75% of the class has been completed.

Work Study—federally funded financial aid program in which qualifying students work a maximum of 15 hours per week on campus.

Index & Notes

Section Contents

The following pages contain an alphabetized list of contents for the Catalog/Handbook, as well as provide pages for the student to record notes.

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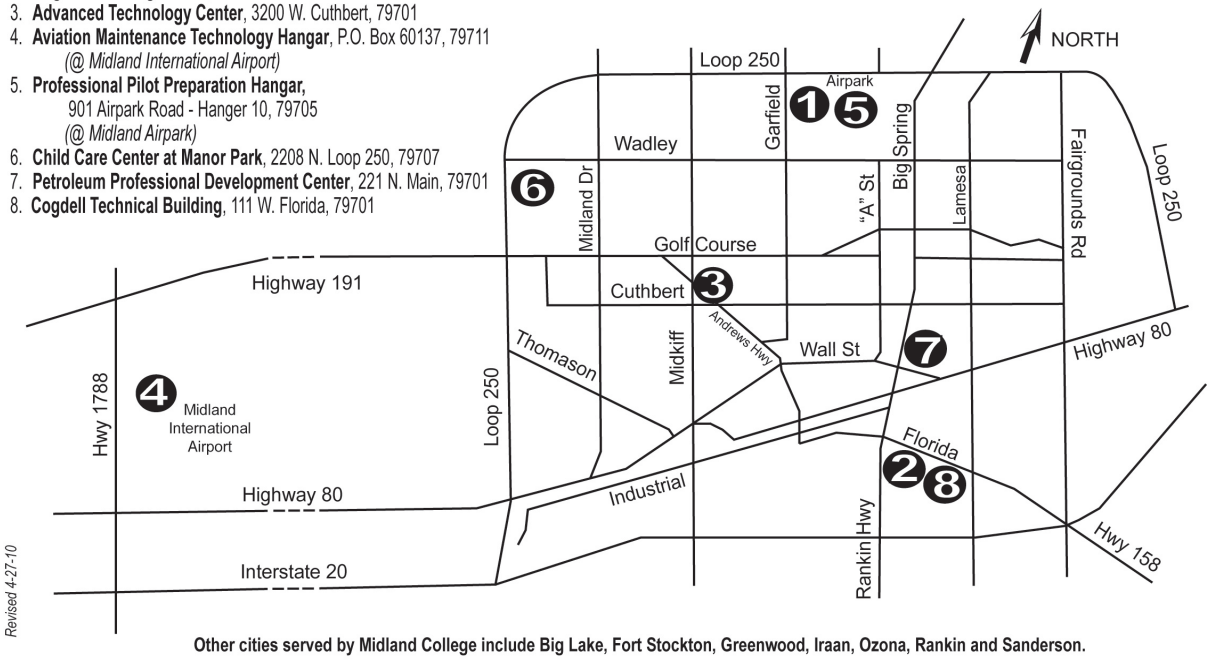
Midland College Sites

Midland College Sites

1. **Main Campus**, 3600 N. Garfield, 79705
2. **Cogdell Learning Center**, 201 W. Florida, 79701
3. **Advanced Technology Center**, 3200 W. Cuthbert, 79701
4. **Aviation Maintenance Technology Hangar**, P.O. Box 60137, 79711
   (@ Midland International Airport)
5. **Professional Pilot Preparation Hangar,**
   901 Airpark Road - Hanger 10, 79705
   (@ Midland Airpark)
6. **Child Care Center at Manor Park**, 2208 N. Loop 250, 79707
7. **Petroleum Professional Development Center**, 221 N. Main, 79701
8. **Cogdell Technical Building**, 111 W. Florida, 79701



Other cities served by Midland College include Big Lake, Fort Stockton, Greenwood, Iraan, Ozona, Rankin and Sanderson.

The Midland College (MC) main campus is located at 3600 North Garfield, Midland, Texas. MC also has a variety of sites and facilities throughout its service area including the Williams Regional Technical Training Center, an accredited branch campus, located in Ft. Stockton. MC also offers limited classes at public school facilities in the communities of Big Lake, Iraan, Ozona and Rankin.

www.midland.edu

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