

Midland College
Master Syllabus
Fall 2026

CPMT 1345 – Computer Systems Maintenance (3-1-0)

INSTRUCTORS: [Shawn Shreves](#) (Secs. BTL1 and BTM1) and [Marty Villarreal](#) (Sec. AH01)

COURSE DESCRIPTION

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.

PREREQUISITES: ITSC 1325 or instructor approval.

STUDENT LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

- Define information technology (IT) and describe the components of a personal computer.
- Describe how to protect people, equipment, and environments from accidents, damage, and contamination.
- Perform step-by-step assembly of and routine maintenance of a desktop computer.
- Explain the purpose of preventive maintenance and identify the elements of the troubleshooting process.
- Install and navigate an operating system.
- Configure computers to connect to an existing network.
- Upgrade or replace components of a computer/laptop based on customer needs.
- Describe the features and characteristics of mobile devices.
- Install and share a printer.
- Implement basic physical and software security principles.
- Apply good communication skills and professional behavior while working with customers.
- Perform preventive maintenance and advanced troubleshooting.
- Assess customer needs, analyze possible configurations, and provide solutions or recommendations for hardware, operating systems, networking, and security.

PARTICIPATION STATEMENT: Students must actively participate by completing an academic assignment by the official census date. Students who do not do so, may be dropped from the course.

REQUIRED COURSE MATERIALS: Will be current. Students should contact their instructor prior to purchasing the text and supplies to confirm required course materials.

STUDENT CONTRIBUTIONS, RESPONSIBILITIES AND CLASS POLICIES: Will be posted by the instructor in individual course syllabus. Students should contact their instructor if they have any questions.

ACADEMIC INTEGRITY: Refer to Midland College's Scholastic Dishonesty and Academic Misconduct policy: <https://www.midland.edu/about/public-info/scholastic-dishonesty.php>

HONORS PROGRAM: Students interested in taking a course for honors credit, should contact their instructor. Refer to the Midland College Honors Program webpage for more details:
<https://www.midland.edu/academics/honors.php>

DROPPING THE COURSE: Check the MC College Calendar for the last day to withdraw from the course and receive a “W.” Please talk to the instructor before withdrawing.

EVALUATION OF STUDENTS: Will be posted by the instructor in individual course syllabus. Students should contact their instructor if they have any questions.

NON-DISCRIMINATION STATEMENT: Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. For information and inquiries regarding Midland College’s non-discrimination policies, go to:
<https://www.midland.edu/about/tix/index.php>

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

DISABILITY SUPPORT SERVICES: Any student who, because of a disabling condition, may require some special arrangements to meet course requirements should contact disabilities support services as soon as possible at: <https://www.midland.edu/services-resources/accommodation-services.php>

Conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation. Accessibility Links can be found on the Pages tab in Canvas.

BUSINESS & INFORMATION TECHNOLOGY DIVISION OFFICE CONTACT INFORMATION

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