



## Radiologic Technology Program Information Packet

Midland College's Radiologic Technology Program is a 2-year curriculum leading to an Associate of Applied Science Degree in Radiologic Technology. Courses are completed in four 16-week academic semesters and a 13-week summer semester. Classes begin each August with the fall semester. The program includes classroom and laboratory work at the F. Marie Hall Outpatient Center, as well as clinical experiences at various area health care facilities.

Students who complete the Radiologic Technology program become eligible to take the American Registry of Radiologic Technologists (ARRT) Examination. Upon passing the examination, individuals are awarded the certification credential.

Students will need to plan two to three hours of studying and preparation time weekly for each class and clinical course. The schedule is rigorous with classes, labs and/or clinical scheduled four to five days a week. The demands of radiologic courses are such that students may not be able to work full-time while enrolled in this curriculum.

The program's clinical experiences require that students be physically able to care for sick patients. This involves lifting, moving, and transferring patients into and out of bed. Students will be exposed to patients with infectious diseases.

### Radiologic Technology Curriculum

Course Number	Course Title	Credit Hours
<i>Prerequisite Courses</i>		
MATH 1314	College Algebra	3
BIOL 2401	Anatomy & Physiology 1 w/lab-in person	4
<b>Semester Credit Hours</b>		<b>7</b>
<i>Fall I</i>		
RADR 1260	Clinical-Radiologic Technology	2
RADR 1309	Introduction to Radiography and Patient Care	3
RADR 1311	Basic Radiographic Procedures	3
HPRS 1106	Medical Terminology	1
	Humanities/Fine Arts Elective from Core Curriculum List	3
<b>Semester Credit Hours</b>		<b>12</b>
<i>Spring I</i>		
RADR 1313	Principles of Radiographic Imaging I	3
RADR 2301	Intermediate Radiographic Procedures	3
RADR 1266	Practicum Radiologic Technology	2
BIOL 2402	Anatomy & Physiology 2 w/lab-in person	4
<b>Semester Credit Hours</b>		<b>12</b>
<i>Summer I</i>		

RADR 1167	Practicum Radiologic Technology	1
RADR 2305	Principles of Radiographic Imaging II	3
<b>Semester Credit Hours</b>		<b>4</b>
<i>Fall II</i>		
RADR 2217	Radiographic Pathology (Web)	2
RADR 2313	Radiation Biology and Protection	3
RADR 2331	Advanced Radiographic Procedures	3
RADR 2366	Practicum Radiologic Technology	3
PSYC 2301 <b>Or</b>	General Psychology <b>Or</b>	3
SOCI 1301	Introduction to Sociology	
<b>Semester Credit Hours</b>		<b>14</b>
<i>Spring II</i>		
RADR 1250	Radiographic Imaging Evaluation II	2
RADR 2309	Radiographic Imaging Equipment	3
RADR 2335	Radiologic Technology Seminar	3
RADR 2367	Practicum Radiologic Technology	3
Eng 1301	English-Composition I	3
<b>Semester Credit Hours</b>		<b>14</b>
<b>Total Required Semester Credit Hours</b>		<b>63</b>

**Tuition** – Students pay tuition and fees based on the number of hours they are enrolled in for each of the five semesters of the program. The estimated tuition and fees for in-district students is about \$8,000.00 for the entire program. This does not include uniforms, health insurance, and background or drug testing fees. Out of pocket fees are also required to apply for the licensing exam.

**Financial Aid and Scholarships** – Financial aid should be arranged early by contacting the Financial Aid Office at 432-685-5511 or by viewing the Financial Aid page on the Midland College website. Go to the home page and click “Enrollment & Aid”, then click “Paying for College”. Many scholarships are available based on need and/or academic achievement. Click “Scholarship” to find the steps to apply using My MC Portal. Midland Memorial Hospital also offers a Foundation Scholarship Program to pay for tuition, books and fees upon acceptance of a contractual agreement for employment after successful completion of the licensure examination. More information can be found for this opportunity at: [Home | Foundation \(midlandhealth.org\)](#) under Giving Opportunities.

**Drug Testing** – Midland College uses a program called Castlebranch that offers drug testing and background clearance for discounted rates. This program is also used to keep your immunizations, TB screenings, CPR, and any additional health-related information secure and easily accessible for the duration of the program. Castlebranch will notify you whenever you are due for certain screenings and updates so that you don’t have to. It is a one-time membership fee and your records are available to you whenever you need them. It’s around \$100 for the initial fee.

Health care facilities affiliated with Midland College require that students have a negative drug screen prior to beginning clinical experiences in their facility. Therefore, passing a drug screen prior to

engaging in clinical courses is required. Drug screens will be conducted on all students prior to placement in the clinical setting as well as at random intervals, and for cause. Students are responsible for all drug testing fees.

Upon acceptance to the program, you will be scheduled for your drug test at the college within the first weeks of school.

**Age requirements-**an applicant needs to be 18 years of age by September 1 of the year they are applying for.

**Clinical Requirements-** Due to the rigorous nature of the radiology program, many hours of clinical hours must be completed in order to progress and graduate. This means that attendance is of the utmost importance during the program. Working outside of the program is highly discouraged, and no modifications will be made to accommodate working schedules. Child care must also be considered, and students should have several backup babysitters just in case. In the event that an absence occurs, the time must be made up at the directors' discretion. More than two unexcused absences in a semester will result in failure of the program.

**Physical Requirements-** A radiologic technologist must be capable of a wide variety of manual and dexterity requirements. You will be required to lift and move patients, beds, equipment; manipulate advanced technology, and safely navigate the healthcare system. A physical *may be required* before acceptance to the program.

### Admission Requirements

The Radiologic Technology program has a competitive admission process, therefore not all applicants are offered admission. It is recommended that applicants begin this admission process as soon as possible. It is the student's responsibility to submit all required documentation to the Radiologic Technology clerk at the main campus. Please ask questions and seek advisement, we are here to help you succeed.

- 1. Midland College Application** – If you are not already enrolled at Midland College, you need to complete an application and be accepted to Midland College. Apply online at <http://www.midland.edu/enrollment-aid/steps-enroll>. If you need assistance visit the Welcome Center on the main campus.
- 2. Health Sciences Division Application** – Complete the Health Science Division application, which can be found online at <https://midland.edu/academics/degrees/health/hs-general-application.php>. For assistance, please contact the Division Office 432-685-4799. A file will be started so we can maintain contact with you during the admission process. It is important for you to check your emails-you will receive a response from Midland College Health Sciences Division within 3 days of receiving your application. We cannot be responsible for missed communications that have gone to junk/spam folders. If you do not receive a response within 3 days, please reach out to the Health Sciences Secretary, Stephanie Friel at [sfriel@midland.edu](mailto:sfriel@midland.edu) or 432-685-4601, or Tabitha Fuquay at [tfuquay@midland.edu](mailto:tfuquay@midland.edu).

3.

4. **High School Transcript or GED certificate** – Submit an official High School transcript or GED certificate to the Midland College Registrar’s Office, and submit a copy to the Health Sciences Clerk at the main campus.
5. **College Transcript(s)** – Submit official transcripts of all colleges attended to the Midland College Registrar’s Office, and submit a copy of all transcripts to the Health Sciences Clerk at the main campus.
6. **Placement Test** – All applicants must complete the Texas Success Initiative (TSI) requirements in reading, writing, and math or meet the requirements for exemption.
7. **International Students** – Applicants who did not graduate from a high school in the United States must pass the internet based TOEFL iBT (Test of English as a Foreign Language) and obtain a minimum score of 79. The TOEFL score is valid for two years. Information regarding the TOEFL can be obtained at <https://www.ets.org/toefl/ibt/about>
8. **Prerequisites:** College Algebra MATH 1314 (No other math can be substituted). BIOL 2401- Anatomy & Physiology I (in-person and not web-based). All classes must be completed with a grade of “C” or better. HPRS 1106 Medical Terminology is highly recommended to be taken before the program but is not required.
9. **Criminal Background Check (CBC)** – All prospective students must consent to a criminal background check. The CBC will be conducted by the program personnel. The consent is obtained when you submit your application to the program. Another background check is completed upon acceptance to the program.

Due to the stringent ethics requirements set forth by the governing board for Radiology Technologists (ARRT), students should be aware that certain situations can disallow them from obtaining licensure. It is highly recommended that a student should obtain pre-application ethics review from the ARRT. More information can be found here:

<https://www.rrt.org/pages/earn-rrt-credentials/initial-requirements/ethics/ethics-review-preapplication>

These are instances where you would need to have pre-approval from the ARRT: (Traffic tickets and infractions are not considered unless it was substantial.)

-Misdemeanor or felony charges or convictions

-Military courts-martial

-Disciplinary actions taken by a state or federal regulatory authority or certification board

-Serious honor code (academic) violations as described in our Rules of Ethics, such as patient abuse, violating patient confidentiality, and cheating. You don't have to report offenses such as poor grades or falling asleep in class” (ARRT, Ethics Review Preapplication, 2023).

If you have any questions regarding your background, please contact the Program Director for guidance.

**10. Immunizations** – All applicants must show documentation (shot records or titers showing immunity) that the following immunizations have been completed:

- Mumps-Measles-Rubella (MMR)- 2 doses or a titer
- Hepatitis B- 3 doses (or 2 dose series) or a titer. *This is not the same vaccination given at birth \**
- Varicella (chickenpox)-2 doses or titer
- Tetanus Diphtheria Pertussis (TDAP)- one dose within the last 10 years
- Students who are 22 years or younger will be requires to have a Bacterial Meningitis vaccine as part of the college/state requirements. This dose must have been completed within the last 5 years.
- Negative TB test within the last year. If you have been vaccinated for TB (usually in different countries) you will need x-ray clearance. Please contact the program director for further information and a document.

**\* Hepatitis B Vaccine-** After 18 years of age, you need to receive **another Hepatitis B Vaccine** in order to work in healthcare. There are several dosage schedules that need to be completed before your observation.

- 2-dose HepB vaccine series only applies when both doses consist of HepB-CpG, administered at least 4 weeks apart, or
- Adhere to the 3-dose schedule minimum intervals of 4 weeks between dose 1 and 2, 8 weeks between dose 2 and 3, and 16 weeks between dose 1 and 3.

A flu shot will be required every year while in the program in October/November.

**10. Cardiopulmonary Resuscitation (CPR) Certification** – Applicants must have a current certification in American Heart Association Health Care Provider or Basic Life Support Cardiopulmonary Resuscitation (CPR). The CPR certification must stay current through the applicant’s anticipated graduation date. **Online CPR courses are not acceptable.** CPR courses are offered once a month by the Midland College Health Sciences Continuing Education (HSCE). In order to enroll for the class, contact Kimberly Daw at 432-681-6338 located at the Advanced Technology Center, 3200 West Cuthbert.

**11. Essay-**An essay on “Why do I want to be a Radiology Technologist” should be submitted with your application. It should have proper spelling, grammar, no less than 500 words, double-spaced and in 12 point Times New Roman font. If you have previous work experience or relevant medical training, this is the place to let us know! The essay is for you to shine on your accomplishments and let us know why you would like to be a radiologic technologist.

**12.** An updated resume. If you have medical/healthcare experience in previous employment, please let us know here!

**13. Observation-** A four-hour observation in the radiology department at Midland Memorial Hospital. In order to complete the observation, you must complete an application (enclosed), complete the training regarding HIPAA and confidentiality, have all of your current

immunizations, TB screening and CPR **-BEFORE** you can schedule your appointment. Included in this packet is the application and the instructions to contact the Human Resources personnel at Midland Memorial to complete this requirement. You will then be scheduled to complete your observation at MMH, and you must submit your Observation Paper with your application packet to the program secretary.

If you live outside of the Permian Basin, please contact Tabitha Fuquay, Program Director, at 432-686-4802 or email [tfuquay@midland.edu](mailto:tfuquay@midland.edu).

## Admission Process

It is your responsibility to ensure what materials have been received in your application packet. Once your application components are in your file, the college will then review the applications received for the year. Based on a number of factors including but not limited to: Essay, observation review, algebra grade, anatomy grades, previous coursework taken, high school and/or college transcripts, ect-we will determine a number of applicants to call to schedule for an interview with a panel committee.

At the interview, you are expected to dress in business attire, be on time, and do your best. We will tell you after the interview when to expect a response.

After the interview, we will determine a number of applicants to offer a spot to. You will be contacted via phone with our determination. If invited to participate, we will have a *Letter of Intent* for you to sign and return by a specified date. If you do not return it, we will assume you do not wish to participate and will offer the spot to another applicant. **Again, it is your responsibility to check your emails. Email is the preferred method of communication.**

If at any time you wish to withdraw your application, apply for the next cycle, or apply another health sciences program, please contact the Division of Health Sciences Secretary Stephanie Friel at [sfriel@midland.edu](mailto:sfriel@midland.edu).

**Application Deadline for 2024**– The Radiology Program accepts students once a year. The application deadline for the Fall class is June 15<sup>th</sup>, 2024.

Please call Stephanie Friel (Radiologic Technology clerk) to make an appointment to submit your application and required documents. You may also make an appointment for an advising session with the director.

### Contact Information:

Stephanie Friel  
3600 N. Garfield  
Midland, TX 79705  
432-685-4601  
[sfriel@midland.edu](mailto:sfriel@midland.edu)

Tabitha Fuquay, BHCM, RT(R)  
Program Director  
DFHS RM 213  
[tfuquay@midland.edu](mailto:tfuquay@midland.edu)  
432-686-4802

**Midland College**  
**Radiologic Technology Program**  
**Application Checklist for Applicant**

The following checklist will help you stay on track with submitting your Radiologic Technology program application requirements. Please have **ALL** documents in a manila folder and turned into the Radiologic Technology Clerk by June 15<sup>th</sup>.

- I completed and submitted a Midland College Application (online)
- I completed the Health Science Division Application (online)
- I submitted an official copy of my High School Transcript or GED certificate to the Midland College Registrar's Office
- I have placed a copy of any and all transcripts to the Radiologic Technology Clerk before June 15<sup>th</sup>.
- I have passed all three (3) sections of the Texas Success Initiative (TSI) assessment or I am exempt.
- I am an international student – I have passed the TOEFL iBT (Test of English as a Foreign Language) and obtained a minimum score of 79 (valid for 2 years).
- I have completed the required immunizations:
  - Measles-Mumps- Rubella (MMR) vaccine – 2 doses or titer
  - Hepatitis B – 3 doses or titer (NOT the ones at birth)
  - Varicella (Chicken Pox) – 2 doses or titer
  - Tetanus Diphtheria Pertussis (TDAP) vaccine – one dose within the past 10 years
  - Students who are 22 years old or younger will be required to have a Bacterial Meningitis vaccine. This dose must have been taken within the past 5 years. Exemptions can be filed with Enrollment Services.
  - Influenza - annual
  - Tuberculosis Skin Test – must be updated yearly (2 years for chest x-ray)
- I have completed **MATH 1314-** College Algebra with a grade of “C” or better.
- I have completed and submitted a copy of my current American Heart Association Care Provider or Basic Life Support (CPR) certification. Online CPR courses are not acceptable.
- I have completed my four-hour observation at Midland Memorial Hospital.
- I have submitted my 500-word essay answering the question, “Why do I want to become a Radiologic Technologist”
- I have submitted an updated resume



Midland College  
Radiology Program  
Estimated Program Costs

**Preparation for Admission**

CastleBranch (National background check, immunization tracking, and drug screen)	\$95.70 (+additional \$28.80 per random drug screen)
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**Tuition (only for RADR classes)**

Semester	In-District	Out-of-District	Out-of-State
Semester I (Fall)	\$ 891.00	\$ 1,395.00	\$ 1,773.00
Semester I (Spring)	\$ 792.00	\$ 1,240.00	\$ 1,576.00
Semester II (Summer)	\$ 594.00	\$ 930.00	\$ 1,182.00
Semester III (Fall)	\$ 891.00	\$ 1,395.00	\$ 1,773.00
Semester IV (Spring)	\$ 1,089.00	\$ 1,705.00	\$ 2,167.00
<b>Total</b>	<b>\$ 4,257.00</b>	<b>\$ 6,665.00</b>	<b>\$ 8,471.00</b>

*\*Tuition and fees or payment plan contracts are due at the time of registration.*

**Fees (included in tuition)**

Semester	Fee	Amount
I. Trajecsys		\$ 30.00
II. Trajecsys		\$30.00
III. Trajecsys		\$30.00
IV. Trajecsys		\$30.00
V. Trajecsys		\$30.00
VI. Dosimeter		\$140.00
<b>Total</b>		<b>\$ 190.00</b>

Additional classes: BIO 2401 (4 hours) & 2402 (4 Hours); HPRS 1106 (1 hours), Math 1314 (3 hours), Humanities/Fine Arts (3 hours), Psyc/Soci 1301 (3 hours) English 1301 (3 hours)	\$2080 Not including books, labs or fees
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**Clinical Needs (*Estimated Costs*)**

3 Scrub Tops	Approximately \$30 to \$40 each
3 Scrub Bottoms	Approximately \$25 to \$35 each
Scrub Jacket	Approximately \$40 to \$50
Comfortable Shoes	Approximately \$50 to \$100
MC Radiology Patches	\$8 each

**Books- Note: Several books are used over multiple semesters. Hardcopy books are required**

- Adler. Introduction to Radiologic & Imaging Sciences and Patient Care (8th ed. Elsevier)  
ISBN: 9780323872201
- Bontrager’s Textbook of Radiographic Positioning and Related Anatomy (Tenth ed.). Elsevier.  
ISBN: 9780323653671
- Bontrager’s Workbook of Radiographic Positioning and Related Anatomy (Tenth ed). Elsevier. ISBN: 9780323694230
- Bontrager’s Pocket Handbook. ISBN: 9780323694223 (not required)
- Carlton & Adler. Principals of Radiologic Imaging 6<sup>th</sup> ed. ISBN: 9781337711067
- Kowalczyk. Radiographic Pathology for Technologists, 8<sup>th</sup> ed. ISBN: 9780323791298
- Sherer. Radiation Protection in Medical Radiography Textbook. ISBN: 9780323825030
- Sherer. Radiation Protection in Medical Radiography Workbook. ISBN: 9780323825085
- Fauber. Radiographic Imaging and Exposure. 6<sup>th</sup> ed. ISBN: 9780323661393
- Saia. Radiography Prep, 9<sup>th</sup> ed. ISBN:978-2-25-986357-8

**Misc. Fees, Replacement Fees**

Replacement markers	\$30
Replacement dosimeter	\$140
Replacement ID/Badge	\$30



# midland memorial hospital

<b>Title:</b>	Midland Memorial Hospital (MMH) Observations-Staff Development		
<b>Version:</b>	4	<b>Approved:</b>	Sharon Anderson (Director HR Compliance), Stephen Bowerman (President/Chief Exec Officer)
		<b>Date:</b>	

**Purpose:** To provide educational opportunities for students and/or potential students in the community by allowing them to observe Midland Memorial Hospital employees. All observers 18(+) will go directly through Human Resources- Staff Development. *(17 years of age in their senior year of high school may be the only exception.)*

**Procedure:** To clearly explain the acceptance of Observers, including the assignment to units of their choice.

**Listed below in order of preferred completion:**

1. [MMH Observer Application](#) must be completely filled out and submitted to Staff Development.
2. Driver's License or State ID must be provided for identification purposes. If 17yrs. old, a copy of the parents DL or State ID must be presented.
3. Immunization Record must be presented for verification of Hepatitis B, TB Test, TDAP, and fully vaccinated for COVID 19 or approved exemption.
4. Observer is responsible for setting up an appointment with the Staff Development Office in Human Resources to complete online compliance training, and sign the confidentiality form.
5. MMH Observer Application, copy of photo ID, verification of immunizations, compliance training, and signed confidentiality form is required prior to issuance of an Observer Badge and permission to observe within the hospital, given *only* by Human Resources-Staff Development.
6. Staff Development will inform Police Department of the Observer's arrival for badge issuance. If the Observer misplaces badge, replacement fee is \$25.00.
  - All Observer badges must be returned to Staff Development Office, Clinical Manager on Duty, or Police Department at the end of the observation shift(s) with the hospital.
7. Staff Development Office will obtain a preceptor on desired unit(s) for the date/times selected by the Observer. Once schedule is set, Staff Development Office will notify Observer via email or telephone to confirm.
8. Staff Development Office must inform Observer of the Dress Code expectations.

**Regulations:** Human Resources-Staff Development, will maintain the acceptance of Observers, scheduling of Observers, and conduct of Observers. If at any time the Observer fails to complete any requirement in the application process, the request will be automatically declined. If at any time the Observer fails to notify Staff Development of their time at the hospital (schedule), the observation will automatically be terminated. If at any time the Observer fails to conduct themselves in a manner that follows MMH's Culture, the observation will automatically be terminated.

Revision number	Date	Description of Document or Document Change
4		Updated with required COVID vaccine or approved exemption.



Midland Memorial Hospital, Midland, TX 79701

## MMH Observer Application

### Contact Information

Full Name	
Street Address	
City, State & ZIP Code	
Home/Cell Phone	
Email Address	
Driver's License or ID	Copy Provided: Yes or No <i>(To be filled out by Staff Development)</i>
Immunization Record	Verified: Yes or No <i>(To be filled out by Staff Development)</i>
Current MMH Employee?	Yes or No
Emergency Contact Name	
Emergency Contact No.	
Emergency Contact Email	

### Availability

Please select the days and list the times you are open to observe. *(Mon.-Fri Only!)*

_____ Monday	_____ Wednesday	_____ Friday
_____ Tuesday	_____ Thursday	<i>(Ex. 0645-1245 Monday)</i>
<i>*Respiratory and Ultrasound have specific days/times. Be prepared for a makeshift schedule.</i>		

### Interests

Tell us which areas **you** are interested in observing and what job position:

	Administration		Mother Baby		Radiology/ Ultrasound
	Critical Care Unit/ ICU		Oncology		Respiratory
	Emergency Department		Ortho/ Neuro		Surgery/ OR
	Endoscopy		Pediatrics		Total Joint Center
	Heart Institute/ Cardio		Physical Therapy		Wound Management
	Medical/ Surg.		Post-Surgical		Other

### Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete. I understand that I am responsible to setup an appointment with the Staff Development Office to complete HIPAA requirements for an observer status. Failure to submit completed application, Confidentiality Agreement, Immunization Record, and Photo ID will result in dismissal of my observer request.

Name (printed)	
Signature	
Date	
Confidentiality Agreement	Yes or No <i>(To be filled out by Staff Development)</i>

### Our Policy & Mission

It is the policy of this organization to provide equal opportunities without regard to race, color, religion, national origin, gender, sexual preference, age, or disability.

Thank you for completing this application form and for your interest in observing with us, helping lead healthcare for a greater Midland.

**Radiologic Technology Program**

Observation Evaluation Form

Date: \_\_\_\_\_ Student Name: \_\_\_\_\_ Observation Site: \_\_\_\_\_

I am applying for Fall of 20\_\_\_\_\_

A clinical observation is designed to help the student gain insight about the Radiology Technology career field and to help determine if the Radiologic Technology is the right career path for the student. You will be expected to follow all HIPAA regulations and requirements. You will be expected to arrive in business casual attire and to behave in a professional manner, always. Remember, you are a guest at the observation site. Please call Windy at 432-221-1648 at Midland Memorial Hospital to schedule your observation.

**To be completed by the radiology technology student:**

1. List the names of examinations observed: \_\_\_\_\_
2. What are the names of the modalities you observed? \_\_\_\_\_
3. What did you find to be most interesting? \_\_\_\_\_  
\_\_\_\_\_
4. Was there anything that worried or scared you? If yes, what? \_\_\_\_\_  
\_\_\_\_\_
5. Is there anything you want to share with us about your observation? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**A completed copy of this form will be included in the application packet that will be submitted to the Radiologic Technology Clerk by/before July 1<sup>st</sup>.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

**This portion to be completed by observation site supervisor or clinical instructor prior to the student leaving the facility. The form will then be placed in sealed envelope and given to the student.**

1. What time did the student arrive? \_\_\_\_\_ What time did the student leave? \_\_\_\_\_
2. Did the student wear business casual attire? Yes No
3. Did the student seem involved in the observation? Yes No
4. Did the student ask appropriate questions? Yes No
5. Did the student behave in a professional manner? Yes No

Comments:

\_\_\_\_\_  
Supervisor/Clinical Instructor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_