

WACO, TEXAS

AND INSTRUCTOR PLAN

INTERMEDIATE CLINICAL SRGT 1660

MRS. HOWARD AA, CST

NOTE: This is a 16-week course.

Course Description:

The clinical component of a Surgical Technology program is vital in reinforcing the basic skills and concepts learned in the lab setting needed to perform as a Surgical Technologist. Emphasis is placed on developing the surgical conscious, performing intermediate level skills and applying sterile technique in the clinical setting. Students will 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 within the Perioperative setting and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills. Students will also demonstrate appropriate written and verbal communication skills using the proper terminology required. The student must demonstrate clinical proficiency within an acceptable level in general surgical procedures and commonly performed specialty procedures. Emphasis will be on the surgical technician in the first scrub role (first scrub); however, the student will have exposure to the surgical technician in the second scrub role (second scrub) and the circulating role.

This is a health-related work-based learning experience that enables the student to apply specialized occupational experience, theory, skills, concepts, and academic integrity in the workplace setting. Direct supervision is provided by clinical professionals. Introductory to intermediate level surgical technology competencies are evaluated.

Prerequisites and/or Corequisites:

SRGT 1405 Introduction to Surgical Technology SRGT 1409 Fundamentals of Perioperative Concepts and Techniques SRGT 1260 Clinical Introductory SRGT 2130 Professional Readiness

Corequisites:

SRGT 1441 Procedures I SRGT 1542 Procedures II

Course Notes and Instructor Recommendations:

Attendance is mandatory. Missed clinicals cannot be made up. Students are required to be dressed and ready to receive their assignments at the instructors designated spot.

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Clinical Coordinator

Instructor Information:

Surgical Technology Program Director

Marcie Rierson BBA, CST
Office Phone: 299- 8292
Felicia Howard AA, CST
Office Phone: 299-8301

E-mail: mrierson@mclennan.edu
E-mail: fhoward@mclennan.edu
Office Hours: HP 112 by appt.

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Clinical Adjuncts

Christina Miller, CST Holly Lockwood, CST Ashlee Williams, CST Office Phone: 299-8292 Offic

Required Text & Materials:

Title: Bundle: Surgical Technology for The Surgical Technologist: A Positive Care Approach +

Study Guide with Lab Manual + Mind tap

Author: Kevin Frey

Edition: 5th

Publisher: Cengage ISBN: 9781337584876

Title: Pocket Guide to the Operating Room

Author: Maxine Goldman

Edition: 3rd

Publisher: FA Davis ISBN 10: 0-8036-1226-5

Title: Surgical Notes Author: Susan D. Sheets

Edition: 1st

Publisher: F.A. Davis ISBN:978-0-8036-2592-1

MCC Bookstore Website: http://www.mclennan.edu/bookstore/

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at http://www.mclennan.edu/campus-resource-guide/

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources, we encourage you to contact a success coach by calling (254) 299-8226. Students can visit the Completion Center Monday-Friday from 8:00 a.m.-5:00 p.m. to meet with a success coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) is open 12:00 p.m.-1:00 p.m., Monday-Friday, without an appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be contacted/notified through your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

* Click Here for the Minimum System Requirements to Utilize MCC's D2L|Brightspace (www.mclennan.edu/center-for-teaching-and-learning/teaching-commons/requirements)

Click on the link above for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Methods of Teaching and Learning:

Teaching methods include but are not limited to:

Supervised work experience in the operating room setting Lectures on course content from faculty and visiting medical professionals In-services and demonstrations from medical supply company representatives

Course Objectives and/or Competencies:

To provide the basic fundamental operating room skills for the entry level surgical technologist and to engage the student in simple to complex problem solving techniques in the operating room setting through application of learned theory in the classroom setting (physical and biological sciences); demonstration of learned skills in the lab setting (behavioral and social sciences); and practical experience in the perioperative setting.

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To provide an integrated educational experience culminating in a certificate in Surgical Technology that will enable the graduate to qualify as an entry level practitioner of surgical technology.

Clinical Objectives: (include but is not limited to the following)

Upon completion of the course the student will be able to:

Preoperative

- 1. Don OR attire
- 2. Basic Hand wash
- 3. Back Table
 - a. Open sterile pack
 - b. Arrange supplies and instruments
 - c. Assemble a Balfour abdominal retractor
- 4. Open sterile basin on ring stand
- 5. Instrument set
 - a. Open wrapped set
 - b. Open container system
 - c. Remove instruments from container system
- 6. Open sterile supplies
 - a. Small wrapped package place onto sterile field
 - b. Small wrapped package secured by surgical technologist
 - c. Peel Pack
- 7. Pour Sterile Solution
- 8. surgical scrub
- 9. Gown and glove self
- 10. Mayo stand set-up
 - a. Drape
 - b. Arrange instrument and supplies
 - c. Construct a sponge stick
 - d. Load and unload scalpel blade on scalpel handle
- 11. Sutures and ties)
 - a. Transfer suture packets to the sterile back table
 - b. Straighten sutures
 - c. Cut ties in $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{1}{2}$ lengths
- 12. Fill bulb syringe
- 13. Draw up medications
 - a. Vial held by circulator
 - b. Receive medication(s) onto sterile field
 - c. Label medications
- 14. Gown and glove another person
- 15. Drape patient

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- a. Laparotomy
- b. Vagina
- c. Extremity leg

Intraoperative:

- 1. Recognize, prepare and pass instruments
 - a. Sutures and ties
 - b. Load and pass NH swaged needle holder: right and left –handed surgeon
 - c. Load free needle onto NH; thread suture; pass and reload
 - d. Tag and cut sutures
 - e. Pass ties: free hand; instrument
- 2. Contaminated sterile attire
 - a. Re-glove
 - b. Re-gown

Postoperative:

- 1. Dressings
 - a. Assemble and apply abdominal dressings
 - b. Assemble and apply Montgomery strap dressing
- 2. Connect ostomy bag to stoma site
- 3. Drains
 - a. Connect Hemovac
 - b. Connect Jackson-Pratt
 - c. Connect chest tube to chest drainage system
- 4. Remove sterile gown and gloves
- 5. Disinfecting OR
 - a. End of case
 - b. Terminal

Perioperative:

1. Sponge, sharp, and instrument counts

Assistant Circulator Role

- 1. Turn and tie sterile gown
- 2. Transporting patient
 - a. Prepare patient stretcher
 - b. Transport patient from ward room to preop holding or OR
- 3. Transferring patient
 - a. Stretcher to OR table
 - b. OR table to stretcher
- 4. Taking vital signs
 - a. Temperature
 - b. Pulse

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- c. Respirations
- d. Blood Pressure
- 5. Electrosurgery
 - a. Position grounding pad
 - b. Connect Bovie Pencil cord to ESU
 - c. Complete ESU checklist
- 6. Sellick's Maneuver
- 7. Positioning the patient
 - a. Supine
 - b. Lateral
 - c. Prone
- 8. Urinary Catheterization
 - a. Straight catheter a male
 - b. Straight catheter a female
 - c. Foley urinary catheterization male and female
- 9. Positioning a pneumatic tourniquet cuff
- 10. Skin Prep
 - a. Abdomen
 - b. Vagina
 - c. Extremity
- 11. Connect suction
- 12. Documentation
 - a. Lab test requisition
 - b. Pathology specimen

Disinfection and Sterilization

- 1. Hand wash Instruments
- 2. Disinfect an endoscope
- 3. Assemble an instrument set
- 4. Packing items for sterilization
 - a. Peel Pack
 - b. Container system
 - c. Envelope fold wrap
 - d. Square fold wrap
- 5. Operate Stem sterilizer
 - a. Flash
 - b. Routine
- 6. Operate Sterrad Steris System

SCANS: The Secretary's Commission for Achieving Necessary Skills (SCANS) are incorporated into the learning outcomes and activities for the course.

Course Outline or Schedule:

Clinical Times:

Tuesday, Wednesday, and Thursday 6:30-3:00

Clinical Facilities:

Students will be rotated through each clinical site at least one time during the clinical semester.

Baylor Scott and White Hillcrest 100 Hillcrest Medical Boulevard Waco, TX 76712 Ascension Providence Hospital 6901 Medical Parkway Waco, TX 76712

Clinical Rotations:

Clinicals will be held in the hospital or outpatient surgery center. While in the clinical setting students may be placed in different areas to observe different duties and functions of surgical personnel. Students are not to assign themselves. Students will be required to wear the proper clinical attire. Please refer to the handbook for the specifics.

Clinical Attire:

All students are required to wear the appropriate Caribbean scrub top and pants with the white cover-up within the clinical setting. The cover-up must be worn over the scrubs before and after the clinical day and upon leaving the surgery department. The MCC-ST patch must be sewn on and the student must wear the appropriate identification badge for that particular clinical site. Failure to do so may result in the student being sent home to change, sent home for the day, and/or points taken off the final grade.

When in the clinical setting that requires the student to wear their scrubs, the student is still required to wear the MCC-ST program attire and will change into provided clinical scrubs.

When in the clinical setting all facial hair will be cover with the appropriate mask and no facial jewelry will be allowed.

While in the hospital setting the student will wear the designated hospital identification as well. **Please review the scrub uniform policy.

***Students will be notified about any changes to schedule by posting in Brightspace, announcement by clinical instructors, or student email.

Course Grading Information:

Evaluation System:

Evaluation of Students

- 1. Assignments
- 2. Performance in meeting clinical competencies
- 3. Attendance
- 4. Clinical, staff, instructor performance evaluations
- 5. Professionalism and teamwork

Evaluation of Course

- 1. Results of student competencies
- 2. Student Course Feedback

Grading Rubric:

A - 100 - 89.5	Final grade will be determined on the following percentages:
B - 89.4 - 79.5	75% Clinical Performance Assessment
C - 79.4 - 74.5	25% Clinical Journal / Evalue / Assignments / Quizzes
D - 74.4 - 69.5	100%
F - 69.4 - 0	

Please note: Deductions for attendance will be taken from the final overall grade

Late Work, Attendance, and Make Up Work Policies:

All students are required to turn in graded assignments on the date due. Late assignments will be penalized 10 points per day. No assignments will be accepted past 1 week. Assignments are to be turned in at the beginning of the clinical day they are due.

Students are required to keep a clinical journal with a record of the cases they have participated in. These journals are part of the graded assignments and must be kept neat and legible.

***note: some assignments may be required to be turned in via Brightspace. The student will be informed as to which assignments will be required to be turned in on Brightspace and what assignments are required to be turned in to the instructor.

Clinical Journal Requirements:

All students are required to keep a clinical journal where they will document their clinical activities and competency accomplishments. A template/outline will be given to each student so that the journal will be consistent for grading purposes. Journals are to be turned in at the beginning of the clinical day or designated time. Failure to do so will result in 10 pts. deduction

per day and will not be taken after one week (no exceptions). The clinical journal/Evalue /assignments/quizzes make up 25% of the total clinical grade.

It is the responsibility of *each student* to keep up with the surgical cases or clinical activities they participate in by documenting them in their Clinical Journals and in Evalue. All surgical cases must be input into Evalue by the Monday following the Clinical Journal. All cases including observed cases must be put in Evalue. Confirmation of the activity and cases *will* be signed off by the clinical coordinator each week. If a case is rejected, then the student will have 1 week to correct and resubmit. *The clinical journal/Evalue/assignments/quizzes make up 25% of the total clinical grade*.

Clinical Performance Assessment:

The Clinical Performance Assessment (CPA) is an evaluation of the student's skills according to workforce education. Student's skill levels are assessed according to accreditation standards and state standards or the Secretary's Commission on Achieving Necessary Skills (SCANS). Clinical performance skills will be assessed on a bi-weekly base and validated with a signature from both the student and clinical instructor; the official copy will be kept in the student's file. *The CPA consists of 75% of the total clinical grade*.

<u>Clinical Case Requirements:</u> The following is taken directly from the Association of Surgical Technology Core Curriculum 6^{th} edition and will be used to guide the student to a successful completion of all scrubbed case requirements for graduation. The total number of cases the student must complete is 120. This is divided into the following criteria:

- 30 General cases 20 of these cases must be in the first scrub role. The remaining 10 cases may be performed in either the First or Second Scrub Role.
- 90 Surgical Specialty cases excluding General Surgery 60 of these cases must be in the first scrub role and distributed amongst a minimum of 4 surgical specialties. A minimum of 10 cases in the First Scrub Role must be completed in each of the required minimum of four surgical specialties (40 cases total required) The additional 20 cases in the First Scrub Role may be distributed amongst any one surgical specialty or multiple surgical specialties. The remaining 30 surgical specialty cases may be performed in any surgical specialty either in the First or Second Scrub Role.
- Specialty areas include: Cardiothoracic, ENT, Eye, GU, Neuro, Ob-Gyn,
 Oral/Maxillofacial, Orthopedics, Peripheral Vascular, Plastics
 **10 diagnostic/endoscopy cases and 5 vaginal delivery cases may be applied toward the
 second scrub case total.

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• No more than 40 second scrub cases (10 general and 30 specialties) may be counted towards the 120 total case count.

First Scrub Role

The student technologist shall perform the following duties during any given surgical procedure with proficiency. The following list is provided to identify the items that must be completed in order to document a case in the first scrub role. A student not meeting the five criteria below cannot count the case in the first scrub role and the case must be documented in the second scrub role or observation role.

- Verify supplies and equipment needed for the surgical procedure.
- Setup the sterile field with instruments, supplies, equipment, medications and solutions needed for the procedure.
- Perform counts with the circulator prior to the procedure and before the incision is closed.
- Pass instruments and supplies to the surgical team members during the procedure.
- Maintain sterile technique as measured by recognized breaks in technique and demonstrate knowledge of how to correct with appropriate technique.

Second Scrub Role

The second scrub role is defined as the student who is at the sterile field who has not met all criteria for the first scrub role, but actively participates in the surgical procedure in its entirety by completing any of the following:

- Sponging
- Suctioning
- Cutting suture
- Holding retractors
- Manipulating endoscopic cameras
- ** Diagnostic endoscopy cases and vaginal delivery cases are not mandatory. But up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted towards the maximum number of Second Scrub Role cases.
- ** At no time are students allowed to manipulate tissue or "assist" the surgeon during surgery.
- ** Due to legality issues students are to be assisted by an employee when handling specimen and during counting.

Observation Role

The observation role is defined as the student who is in the operating room performing roles that do not meet the criteria for the first or second scrub role. These observation cases are not to be included in the required case count, but must be documented by the program. Observations do not count towards the total counted cases but must be document on the case log and Evalue. The clinical journal/Evalue /assignments/quizzes make up 25% of the total clinical grade.

Clinical Case Log will be assessed weekly and validated with confirmation in Evalue by the clinical coordinator. *The clinical journal/Evalue /assignments/quizzes make up 25% of the total clinical grade.*

Academic Standing

Students will be evaluated on a constant and frequent basis. This will allow the student and faculty to track the students' progress throughout the program. Students will be required to come into the program directors office on a scheduled time and review their degree plan, lab, clinical, and classroom academic standing. An Academic Counseling form will be signed and kept in the students' file. Students are encouraged to ask for academic counseling any time they feel the need for it.

Attendance for Clinical Courses:

Just as in the workforce realm, it is professional courtesy that your supervisor be notified if you are to be tardy or absent. In the SRGT program, setting your clinical instructor is your supervisor and must be notified about these instances.

Clinical is an important part of a student's education. Failure to show up on time or to appear will put the student behind. It is the student's responsibility to call the clinical instructor, clinical coordinator, or program director if the student knows they will be late or cannot appear. Texting is **not** an acceptable way to notify the clinical instructor.

Students are expected to report their absence as soon as possible and at least 30 minutes before scheduled clinical time. Students are required to call their clinical instructor for that day however, if you are not able to contact that instructor please call the clinical coordinator's office phone at 254-299-8301 and leave a message.

Students are required to report to clinical at the designated time. Students will be marked tardy at 15 minutes after the assigned clinical time. Assigned clinical time is typically 6:30 am. After 7:30 am, the student will be counted absent.

Students who request to leave the clinical site early due to personal reasons will receive an incomplete for the day. Instructors will relieve the student from the operating room when it is safe for the patient.

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"No call, No show" will result in a program review and a higher point deduction from the student's overall grade. Point deduction for a "No call, No show" is **5 points** from the student's <u>overall grade</u>. Students will need to contact the program director before being allowed to return to the clinical site.

Points will be deducted from the student's overall grade for excessive tardies, incompletes, and absences. Attendance may be found in D2L|Brightspace.

The point deduction for absences is as follows:

- 1 day of absence = **0 point** deduction from overall clinical grade
- 2 days of absence = 2 point deduction from overall clinical grade
- 3 days of absence = 4 point deduction from overall clinical grade
- 4 days of absence = 6 point deduction from overall clinical grade
- 5 days of absence = **8 point** deduction from overall clinical grade
- 6 days of absence = 10 point deduction from overall clinical grade
- 7 days of absence = **12 point** deduction from overall clinical grade

The point deduction for tardies and incompletes is as follows:

- 3 tardies = 1 absence
- 3 incompletes = 1 absence
- Any combination of tardies and incompletes that equal 3 will result in 1 absence.

Absences that have exceptions to the above rules are as follows:

- 1. The death of an immediate family member (i.e. grandparent, parent, spouse, child, sibling three clinical days maximum)
- 2. Subpoena to be present at a court case. (Jury Duty does not qualify court issued work notice required)
- 3. Activities outside of clinical that are directed by the program faculty (i.e. award ceremony, advisory committee meeting, and inclement weather)
- 4. Illnesses will be reviewed on a case by case basis.

Any student that is absent for more than 25% of the clinical class will be withdrawn from the course and may not continue in the program.

Students that are absent due to a medical condition are required to bring a doctor's release to be allowed back into the clinical setting - **NO EXCEPTIONS**

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Student Behavioral Expectations or Conduct Policy:

Competency Policy:

The surgical technology student is expected to have a competent knowledge base of aseptic technique as well as technical skills that will allow them to work safely and confidently within a perioperative setting.

NOTE

2 non-recognized contaminations in the clinical setting will result in program evaluation status. The student will be evaluated for type of contamination and reasons for not recognizing the contamination. If it is determined that the student should have known how to recognize, prevent or correct the contamination then the student may be removed from the clinical setting and either placed in remediation or dismissed from the program. Each incident will be handled on a cases-by-case basis.

Patient Care:

Students are required to meet the workforce standard of providing care to any and all patients assigned to their care by a clinical instructor. Students *CANNOT* refuse to provide care for a patient unless they are personal friends or relatives. When assigned to a clinical affiliate, the student is considered to be a guest in that facility and can be asked to leave from the clinical affiliate, they may also be dismissed from the program. Students are to treat every patient with dignity, respect and provide quality care, abiding with the Patient's Bill of Rights.

**Please refer to the MCC-ST handbook for additional information

General Practices:

Attendance is mandatory. Missed clinicals cannot be made up. Students are required to be dressed and ready to receive their assignments at the instructors designated spot.

Artificial or acrylic nails are not allowed into the clinical settings. Artificial nails harbor bacteria and possible fungus that can be transmitted to the patient if there is an accidental tear or hole in the sterile glove. Nails are to be kept short, clean and polish free.

No excessive, loose, or dangling jewelry is allowed to be worn in the operating room.

Students must make the program faculty aware of any environmental allergies related to latex or iodine based products. The medical community is aware of the seriousness of these allergies and has tried to eliminate the use of latex in the medical environment. Not all patient contact items are latex-free. In addition Betadine scrub and solutions contain iodine which can cause an allergic reaction. If you have sensitivity to either latex or iodine you must make the faculty aware of this and provide documentation.

Students that are absent due to illness or injury are **required** to bring a doctors release to be allowed back into the clinical setting – **NO EXCEPTIONS**

Students are not allowed in the class, lab or clinical setting with an infectious disease. A doctor's release will be required before the student is allowed to return.

Proper clinical attire is required which consists of a clean and pressed scrub suit designated by the program (2 pairs). Clean socks and shoes with no emblems on them. These must be solid toe shoes of either leather or a durable material that is resistant to liquids or stains. No clogs, sandals or open-toed shoe is allowed. One clean and pressed lab coat with the MCC-ST program patch and name tag. Students must wear the hospital ID badge. Failure to do so will result in the student being sent home for the day.

All students are encouraged to be prepared for the clinical experience by having the required textbooks, folders and supplies with them for each day.

Students are encouraged <u>not</u> to bring any valuables into the clinical setting. Neither McLennan Community College, Baylor Scott and White Hillcrest nor, Ascension Providence Hospital is responsible for student belongings or valuables.

Cell phones are *not allowed* during clinicals.

Students are to remain in their assigned areas until the clinical instructor relieves them. Students are not to enter any of the operating rooms while surgery is going on unless they are assigned to that case.

Talking and noise must be kept to a minimum while in the clinical setting. Please do not congregate around the front desk.

When in the clinical setting lunches are 30 minutes and breaks are 15 minutes only. All students are required to report to the clinical instructor before leaving and upon arrival to the surgery department. Students must be dismissed by the MCC clinical instructor and not the hospital staff. Lunches must be taken in the cafeteria and not the employee lounge.

Due to the personal nature of what goes on in the operating room <u>students will not discuss any confidential information about surgeries outside the classroom</u>. Taking topics that are discussed in the classroom into the public setting is a direct violation of program policies and will not be tolerated. This will lead to dismissal from the program.

**Please refer to the MCC-ST handbook for all other information

* Click Here for the MCC Academic Integrity Statement

(www.mclennan.edu/academic-integrity)

The link above will provide you with information about academic integrity, dishonesty, and cheating.

* Click Here for the MCC Attendance/Absences Policy

(www.mclennan.edu/highlander-guide/policies)

Click on the link above for the college policies on attendance and absences. Your instructor may have guidelines specific to this course.

Accommodations/ADA Statement

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. Instructors should not provide accommodations unless approved by the Accommodations Coordinator. For additional information, please visit mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

<u>disabilities@mclennan.edu</u> 254-299-8122 Room 319, Student Services Center

* Click Here for more information about Title IX

(www.mclennan.edu/titleix)

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Vice President for Student Success) at 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC by calling 299-8210. The MCC Student Counseling Center is a confidential resource for students.

McLennan's Title IX webpage (http://www.mclennan.edu/titleix/) contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence or domestic violence.

