

University of Southern Mississippi
College of Science and Technology
Pre-Cytotechnology Curriculum

The “pre-cytotechnology curriculum” is just *a list of courses that are required for admission to professional school. It is NOT an academic major, a minor, or an emphasis area.*

The following two-year **Recommended Course Sequence** meets only the minimal requirements for admission to the *two-year professional program* within the **School of Health Related Professions at the University of Mississippi Medical Center** in Jackson.

Link to UMMC SHRP: <http://shrp.umc.edu/index.html>]

Link to Cytotechnology: <http://shrp.umc.edu/CYTO/index.html>

Students completing all the requirements for this professional program receive the Bachelor of Science degree from the University of Mississippi.

Students must consult the specific admission requirements and application deadlines for the school(s) to which they plan to apply, including UMMC.

- general biological sciences with laboratories (8 hours)
- chemistry with lab (8 hours)
- college algebra or higher math (3 hours)
- English composition (6 hours)
- speech (3 hours)
- humanities (6 hours)
- fine arts (3 hours)
- social or behavioral sciences (6 hours)
- electives (6 hours)

The **suggested course sequence** below is merely a guideline. Students must consult the USM Undergraduate Bulletin, the USM Class Schedule Guide for each semester, and their academic advisor. Many courses are offered in specific semesters (Fall or Spring only) and/or on a rotating cycle.

YEAR 1

Fall		Spring	
ENG 101	3 h	ENG 102	3 h
BSC 110&L OR BSC 111&L	4 h	BSC 111&L OR BSC 110&L	4 h
CHE 106&L ^a	4 h	CHE 107&L	4 h
MAT 101 ^b	3 h	MAT 103	3 h

^a, CHE 100 is required when the chemistry background is not adequate. Students may enter CHE 100 directly, if they choose. Students enrolled in CHE 106/L must take a standardized test during the first week or two of class in order to remain in CHE 106/L; if they do not meet the minimum score, these students move to a CHE 100 class.

^b, Placement in MAT courses depends on the student’s ACT subscore. Students may enroll in Calculus directly if the ACT mathematics *subtest score is* ≥ 26 ; otherwise, they must take prerequisite courses, typically College Algebra (MAT 101) and/or Trigonometry (MAT 103). Entering freshmen with an ACT mathematics *subtest score of* ≤ 16 must take Intermediate Algebra (MAT 099) during the first semester.

Students with an ACT mathematics *subtest score of 17-19* are **STRONGLY ENCOURAGED** to take Intermediate Algebra before taking College Algebra.

Students entering Calculus (MAT 167 or MAT 314) directly can use this course to satisfy the UMMC math requirement but must take an additional MAT course.

Strategy for Success

- Students should focus on doing well in their studies.

YEAR 2

Fall

One Biological Science elective^c 4 h
BSC 380/L 4 h
Two required courses^d 6 h

Spring

One Biological Science elective^c 4 h
Four required courses^d 12 h

^c, Recommended Biological Science elective courses (must include the lab) are Human Anatomy & Physiology (BSC 250/L, BSC 251/L), histology, genetics (Organic Chemistry is pre-requisite), physiology. Courses in Botany are not acceptable.

^d, Students must take:

- one (1) Fine Arts course (select from ART 130, DAN 130, MUS 365, THE 100)
- two (2) Humanities courses (select from HIS 101, HIS 102, PHI 151, REL 131)
- two (2) Social and Behavioral Sciences courses: select one from (ANT 101, GHY 101, SOC 101) and take PSY 110
- sufficient elective hours to achieve a total of 58 hours of acceptable transfer credit.

The **application process** should begin in the **Spring semester** of this year (March 1 deadline).

- Applicants must have completed (or be enrolled in) the minimum pre-requisite course requirements listed above.
- Applicants must complete a minimum of 58 hours of academic credit (exclusive of physical education, military science, dogmatic religion and vocation courses) from a regionally accredited institution of higher learning.
- Applicants must have an overall GPA of 2.00 on a 4.0 scale. (Applicants interviewed and accepted typically have a higher GPA.)
- A minimum grade of C is required on each course accepted for transfer.
- If a course is repeated, both grades are used in calculating the GPA.
- An interview with the Cytology Admissions Committee is required.