DEPARTMENT OF MATHEMATICS

The mission of the Department of Mathematics is to provide an appropriate mathematical course of study for all students enrolled in Southeastern Louisiana University. In addition to contributing to the broad cultural background of the general education student, the Department of Mathematics offers courses that lead to the mathematical proficiency of students desiring to continue in mathematics as graduate students, as competent users of mathematics in business, industry or government, or as teachers of mathematics at either the elementary or secondary level.

All students are required to take at least six hours of mathematics. Students should consult their major to determine the proper track to follow.

The Department of Mathematics offers credit examinations for Math 160, Math 161, Math 162, Math 165, and Math 241. Students may take a credit exam for a particular course only once. For more information on credit exams, students should contact the Department of Mathematics.

In order to graduate with a major in mathematics, a student must have a grade of "C" or better in all mathematics courses taken and must have a minimum GPA of 2.0 or better in all mathematics courses.

PLACEMENT IN MATHEMATICS

Placement of entering freshmen in mathematics courses is based on the mathematics score on the ACT Assessment. Students are not permitted to register for mathematics courses until those scores are on file in the Office of Testing.

The ACT Assessment is not used as an entrance examination. Rather, it is used as a means of determining the degree of preparation in mathematics. The placement procedure, outlined below, ensures that each entering freshman will begin the study of mathematics at a level for which he or she is prepared.

1. A student whose ACT mathematics score is 17 or below is required to take Transitional Mathematics Math 92. Students who are placed in Math 92 must pass the course before enrolling in either Math 160 or Math 161.

2. Placement of beginning freshman according to ACT mathematics scores:
   Math 92: ACT mathematics score of 17 or below.
   Math 160 or Math 161: ACT mathematics score of 18 or higher. Additionally, for direct placement into Math 160 or Math 161, students should have had at least two years of college preparatory mathematics in high school. The selection of Math 160 or Math 161 is dependent on the student's major.

   Math 165: ACT mathematics score of 24 or higher. Additionally, for direct placement into Math 165, students should have had at least three to three and one-half years of college preparatory mathematics in high school.

   Math 200: ACT mathematics score of 27 or higher. Additionally, for direct placement into Math 200, students should have had at least four years of college preparatory mathematics in high school. Any beginning students who receive a grade of "C" or better in Math 200 on their first try would automatically also receive credit in Math 165 with a grade of "P".

   Students with ACT mathematics score of at least 24 and who plan to take Math 200 are encouraged to take the Calculus Readiness Test given by the Department of Mathematics. Satisfactory scores on this test can result in the student directly entering Math 200 instead of entering Math 165. Interested students should contact the Department of Mathematics.

   Placement in a mathematics course beyond Math 160 or Math 161 does not automatically give credit for either Math 160 or Math 161. Students may take a credit exam for either Math 160 or Math 161 by contacting the Department of Mathematics.

MAJORS

Majors in Mathematics in the College of Science and Technology must complete a minimum of forty-three (43) semester hours in Mathematics. These hours are:

Math 200	5 hours
Math 201	5 hours
Math 223	3 hours
Math 312	3 hours
Math 350	3 hours
Math 360	3 hours
Math 370	3 hours
Math 380	3 hours
Math 417	3 hours
Math 441	3 hours
Math Electives (400 level) [1]	9 hours

[1]Math 460 and Math 467 may not be used to satisfy this requirement

Honors Diploma in Mathematics

For the Honors Diploma in Mathematics, majors must complete the following:

English 121H[1]	3 hours

English 122H[2]			3 hours
History 101H[3]			3 hours
History 102H[4]			3 hours
English 291H, English 292H, History 201H, History 202H, Econ 201H, GBIO 151H, Math 161H, Honors 191, Honors 311, Honors 312, Honors 313, or Honors 314[5]			3 hours
Foreign Language 201			3 hours
Foreign Language 202			3 hours
Math 350, 360, 370, 380[6]			12 hours
Math 490[7]			3 hours
Honors 300 Senior Thesis			1 hour
Total			37 hours

[1]English 121H can be substituted for English 101.
[2]English 122H can be substituted for English 102.
[3]History 101H can be substituted for History 101 or 201.
[4]History 102H can be substituted for History 102 or 202.
[5]Any of English 291H, English 292H, History 201H, History 202H, Econ 201H, GBIO 151H, Math 161H, Honors 191, Honors 311, Honors 312, Honors 313, or Honors 314 can be substituted for similar major requirements with the approval of the Department Head.
[6]These hours must be completed as an H-Option.
[7]The domain in which the student will complete the thesis project and the student's participation in the OSCAR program, service learning, internship, or international experience will be determined during the student's enrollment in Math 490.

MINORS

In order to minor in Mathematics, the student must complete a minimum of twenty-two semester hours. These hours are:

Math 200	5 hours
Math 201	5 hours
Math 223	3 hours
Math 312	3 hours
Math 350, 360, 370 or 400 level Math courses (Choose 2)[1]	6 hours

[1]Math 460 and Math 467 may not be used to satisfy this requirement

CURRICULUM IN MATHEMATICS
LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

FIRST YEAR

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
†Mathematics 200	5	†Mathematics 201	5
Chemistry 121	3	English 102 or 122H	3
Chemistry Laboratory 123	1	Communication 211	3
English 101or 121H	3	Biological Science 151	3
Computer Science 161	3	Biological Science Laboratory 152	1
Orientation 101	0-1		
	15-16		15

SECOND YEAR

†Mathematics 223	3	†Mathematics 350	3
†Mathematics 312	3	Foreign Language 102	3
History Elective	3	History Elective	3
Foreign Language 101	3	Computer Science 280	3
English 230, 231 or 232	3	Visual Art, Literature, Music, or Philosophy[1]	3
	15		15

THIRD YEAR

†Mathematics 370	3	†Mathematics 360	3
Physics 221	3	Economics 102, 201, or 202	3
Physics Laboratory 223	1	†Mathematics 380	3
Computer Science 355, 383, 389, or 390	3	Science[4]	4
Social Science Elective[2]	3	Kinesiology Laboratory	1
Art Elective[3]	3		
	16		14

FOURTH YEAR

†Mathematics 417	3	†Mathematics 441	3
†Mathematics Elective (400 level)[5]	6	†Mathematics Elective (400 level)[5]	3
Electives	6	Electives	9
Kinesiology Laboratory	1		
	16		15
Total semester hours required			121-122

Orientation 101 is not required of transfer or readmitted Southeastern students with 30 hours or more.

†Major course; grade of "C" or better required.
[1]To be selected from the following four areas: Visual Art (survey, studio, or history). Literature (any 300 or 400 level course). Music (appreciation, history, or theory), or Philosophy.

[2]To be selected from the disciplines of Geography, Anthropology, Political Science, Psychology, or Sociology.
[3]To be taken from Art, Music, Dance, or Theatre.
[4]Must complete a one-year sequence by taking Biology 153/154, Chemistry 122/124, or Physics 222/224.
[5]Math 460 and 467 may not be used to satisfy this requirement.