

MATHEMATICS (BS)

Degree Plan (MATHBSGC)

GENERAL EDUCATION CURRICULUM

GEC 01. Written Communication (6 hours)

01. ENG 101
02. ENG 102

GEC 02. Basic Science and Mathematics (12 hours minimum)

Science Requirement (8 hours minimum)

01. Select 2 courses with labs:
 - AST 111/L**
 - AST 112/L**
 - BSC 103/L◇**
 - BSC 110/L**
 - BSC 111/L**
 - BSC 250/L**
 - BSC 251/L**
 - CHE 104/L**
 - CHE 106/L**
 - CHE 107/L**
 - GLY 101/L**
 - GLY 103/L**
 - MAR 151/L**
 - PHY 201/L* (Required for this major)
 - PHY 202/L**

Mathematics Requirement (3 hours)

02. MAT 167*

GEC 03. Global History and Culture (12 hours)

Social Sciences Requirement (3 hours)

01. Select 1 course:
 - ANT 101
 - GHY 101
 - SOC 101

Humanities Requirement (9 hours)

02. ENG 203
03. Select 2 courses, 1 History required:
 - HIS 101
 - HIS 102
 - PHI 151
 - REL 131

GEC 04. Aesthetic Values (3 hours)

01. Select 1 course:
 - ART 130
 - DAN 130
 - MUS 365
 - THE 100

GEC 05. Decision-Making and Responsibility (3 hours)

01. Select 1 course:
 - COH 100
 - ECO 101
 - PHI 171
 - PS 101
 - PSY 110

GEC 06. Computer Competency Requirement* (4 hours)

01. CSC 101/L

GEC 07. Writing-Intensive Requirement* (3 hours or Minor Area)

01. Any upper-level writing-intensive (WI) course.
Recommended ENG 333 (WI) or a WI course from the required minor.
ENG 101 & ENG 102 prerequisites

GEC 08. Oral Communication Requirement* (3 hours)

01. Select 1 course:
SCM 111 or SCM 305 or SCM 320 or SCM 330

GEC 09. Capstone Requirement* (Major Area)

01. MAT 481 (Capstone)
Must be taken Senior Year; ENG 101 & ENG 102 prerequisites

*This particular GEC course is required for this major.

**These particular GEC courses are the available options for this major

◇ GEC restrictions apply; see page 88.

For full description of the GEC, see page 86.

PROGRAM CURRICULUM

DEG 01. Major Area of Study Requirements (36 hours)

01. MAT 168
02. MAT 169
03. MAT 280
04. MAT 285
05. MAT 305
06. MAT 320
07. MAT 326
08. MAT 340
09. MAT 423
10. MAT 481 (Capstone)
11. Select 6 hours from Department of Mathematics courses **except** MAT 090-410, 430, 431, 457/L, 489, and 490. These 6 hours **MUST** include **one** of the following:
MAT 415 or MAT 417 or MAT 420 or MAT 424 or MAT 426 **OR MUST** include **one sequence** from the following:
MAT 418-419
MAT 441-442
MAT 460-461

DEG 02. Required Minor (18 hours)

01. Students must fulfill requirements to receive a minor in another discipline.

DEG 03. Electives

01. Choose electives as needed.
(See Hours to Degree below.)

HOURS TO DEGREE

124 hours are needed to graduate with a BS in Mathematics. At least 50 percent of the hours applied to a degree at The University of Southern Mississippi must be earned from a senior college, and 45 of these hours must be in courses numbered 300 or above. The last 25 percent of course work must be earned from Southern Miss. The student must earn at least 12 hours in the major area of study from Southern Miss.