

MATHEMATICS (LICENSURE) (BS)

Degree Plan (MATHLBSGC)

GENERAL EDUCATION CURRICULUM

GEC 01. Written Communication (6 hours)

01. ENG 101
02. ENG 102

GEC 02. Basic Science and Mathematics (11 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*

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. PSY 110*

GEC 06. Computer Competency Requirement*

01. Successful completion of the BTLE or IC3 certification.

GEC 07. Writing-Intensive Requirement* (Major Area)

01. MAT 481 (WI)
ENG 101 & ENG 102 prerequisites

GEC 08. Oral Communication Requirement* (3 hours)

01. SCM 111

GEC 09. Capstone Requirement* (Major Area)

01. MAT 489 (Capstone)
02. MAT 490 (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 (42 hours)

01. MAT 168
02. MAT 169
03. MAT 280
04. MAT 285
05. MAT 305
06. MAT 309
07. MAT 320
08. MAT 326
09. MAT 340
10. MAT 370
11. MAT 420
12. MAT 423
13. MAT 481 (Capstone)
14. Select 3 hours from Department of Mathematics courses except MAT 090-410, MAT 430, MAT 431, MAT 457/L, MAT 489, and MAT 490.

DEG 02. Additional Requirements (3-4 hours)

01. Select 3-4 hours:
CSC 101/L or CSC 102 or CSS 240 or CSS 330 or CSS 331 or CSS 333 or CSS 334 or CSS 340 or CSS 342 or CSS 402

DEG 03. Teacher Licensure Requirements (35 hours)

Certain courses are restricted; Gold Card required. See page 268 for details.

01. CIS 302
02. CIS 313
03. MAT 220
04. MAT 457/L
05. MAT 489 (Capstone)
06. MAT 490 (Capstone)
07. PSY 374
08. REF 400
09. REF 469
10. SPE 400

DEG 04. 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 (Licensure). 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.