

COMPUTER SCIENCE (APPLIED COMPUTER SCIENCE) (BS)

Degree Plan (CSSAPCSBS)

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♦:
BSC 110/L and BSC 111/L**
CHE 106/L and CHE 107/L**
GLY 101/L and GLY 103/L**
PHY 201/L and 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
FIN 200
PHI 171
PS 101
PSY 110

GEC 06. Computer Competency Requirement* (Major Area)

01. CS 101/L

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

01. CS 309 (WI)

ENG 101 & ENG 102 prerequisites

GEC 08. Oral Communication Requirement* (Major Area)

01. CS 309 (WI)

GEC 09. Capstone Requirement* (Major Area)

01. CS 424 (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

For full description of the GEC, see page 82.

♦This major requires the selection of a sequence to fulfill the GEC Science Requirement. (Category **DEG 01.** & **DEG 02.** have additional Science and Mathematics requirements for this major.)

PROGRAM CURRICULUM

A minimum of 42 hours of CS-prefix courses must be complete, excluding CS 100, CS 300, CS 320, CS 422, CS 435, CS 485, and CS 486.

DEG 01. Major Area of Study Requirements (62 hours)

01. CS 101/L
02. CS 102
03. CS 203
04. CS 204
05. CS 306
06. CS 307
07. CS 309 (WI)
08. CS 317
09. CS 408
10. CS 414
11. Select 1 course:
CS 413 or CS 415
12. CS 424 (Capstone)
13. Select 6 hours:
CS 410 or CS 411 or CS 412 or CS 413 or CS 415
(Cannot duplicate Category **DEG 01. #11**)
14. Select 3 hours:
MAT 280 or MAT 285 or MAT 316-MAT 385 (except MAT 320 or MAT 340) or MAT 415-MAT 442 or MAT 460-MAT 475 or MAT 485 or CS 320 or CS 422 or PHY 327-465
15. Select 9 hours:
CSS 240 or CSS 305 or CSS 320 or CSS 331 or CSS 342 or CSS 343 or CSS 346 or CSS 360 or CSS 405 or CSS 410-CSS 486 or MAT 280 or MAT 285 or MAT 316 or MAT 326-MAT 385 or MAT 405-MAT 442 or MAT 460-MAT 475 or MAT 485 or PHY 327-PHY 465
No more than 1 course from CSS 240, CSS 342, & CSS 343.
16. Select 1 course:
CSS 415 or MAT 320
17. Select 1 course:
CS 300 or MAT 340

No course may be used in more than one Program Curriculum category.

DEG 02. Additional Requirements (12 hours minimum)

01. MAT 168
02. MAT 169
03. Select 6 hours not selected for **GEC 02.** :
BSC 110/L or BSC 111/L or CHE 106/L or CHE 107/L or GLY 101/L or GLY 103/L or PHY 111/L or PHY 112/L or PHY 201/L or PHY 202/L or PSC 190/L

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 Computer Science. 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.