

Transferring from Mississippi Community Colleges to the University of Mississippi BSCS Program (2007-8)

Note: This is provided for information purposes only. It is based on the information available at the time it was written, but it is not intended to replace any college's catalog, the defined transfer equivalencies, or the official articulation agreement between the IHL institutions and the Mississippi community colleges.

Maximum transfer hours from community college toward UM BSCS: 63

COMPUTER SCIENCE

UM lower-level BSCS requirements: CSCI 111; 112; 211; 223

Community college introductory computer science and programming sequence [9 UM hours]

Java sequence alternative preferred [6 UM hours] (Note 1)

CSC 1613 Computer Programming I → CSCI 111

CSC 2623 Computer Programming II → CSCI 112 (Note 2)

C++ sequence alternative acceptable, especially if full sequence taken [6 UM hours] (Note 1)

CSC 2133 Programming I with C/C++ → CSCI 111 substitute (transfers as CSci 259)

CSC 2143 Programming II with C/C++ → CSCI 112 substitute (transfers as CSci 2xx) (Note 2)

Data structures [3 UM hours] → CSCI 211 (Note 2)

CSC 2513 Analysis of Data Structures and Algorithms

or

CSC 2843 Data Structures

Note 1: Some community colleges have four hour versions of these which include a laboratory (final digit of number is 4).

Note 2: UM CIS probably does not currently have the official transfer equivalencies defined completely correctly for the current UM course sequence. Many campuses do not teach a data structures course. CSE 2623 and 2143 are probably more like CSCI 211 than 112.

Note 3: There may be some other community college courses that can be counted as Technical Electives. However, we would like to move away from that practice.

MATHEMATICS

UM BSCS requirements: MATH 261; 262; one of 263 or 319; 301; 302; and 375

Community college courses

Discrete mathematics [3 UM hours]

CSC 2833 Discrete Mathematical Structures for Computer Science

Alternative "A" (3 hour calculus courses) [9 UM hours]

MAT 1613 Calculus I-A → MATH 261

MAT 1623 Calculus II-A → MATH 262

MAT 2613 Calculus III-A → MATH 263

or

MAT 2113 Linear Algebra → MATH 319

Alternative "B" (5-hour calculus courses) [9 UM hours]

MAT 1815-1825 Calculus I & II → MATH 261, 262, 263

Note 4: Students who are not yet ready to take calculus should take MAT 1313 (College Algebra), 1323 (Trigonometry), or 1343 (Elementary Functions) as appropriate.

Note 5: Other mathematics courses such as MAT 2113 or 2613 if not used above, MAT 2623 (Calculus IV, alternative A), MAT 2815 (Calculus III, alternative B), MAT 2913 (Differential Equations), etc. can be transferred as Technical Electives.

NATURAL SCIENCES

UM BSCS requirements: 8 sequential hours of laboratory science from

BISC 160/161, 162/163

CHEM 105/115, 106/116

PHYS 211/221, 212/222

6 additional hours chosen from above or other acceptable courses such as ASTR 103 or 104 and advanced courses in Biology, Chemistry, and Physics.

Community college laboratory science sequences [8 UM hours]

General Biology alternative → BISC 160/161, 162/163

ANY TWO lecture/lab groups EXCEPT

- General Biology I with any Botany or Zoology

- General Zoology with Zoology I or II

BIO 1133/1131 or 1134 General Biology I

BIO 1143/1141 or 1144 General Biology II

BIO 1313/1331 or 1314 Botany I

BIO 1323/1321 or 1324 Botany II

BIO 1413/1411 or 1414 General Zoology

BIO 2413/2411 or 2414 Zoology I

BIO 2423/2421 or 2424 Zoology II

General Chemistry alternative → CHEM 105/115, 106/116

CHEM 1313/1311 or 1314 General Chemistry I

CHEM 1323/1321 or 1324 General Chemistry II

General Physics for Science and Engineering alternative → PHYS 211/221, 212/222

PHYS 2513/2511 or 2514 General Physics I-A

PHYS 2523/2521 or 2524 General Physics II-A

Community college other science courses [6 UM hours]

Any other two science courses above except must adhere to the General Biology I and Zoology constraints.

CHE 2423/2421 or 2424 Organic Chem I → CHEM 221/225

CHE 2433/2431 or 2434 Organic Chem II → CHEM 222/226

PHYS 1113/1111 or 1114 Astronomy → ASTR 103

ENGLISH

UM BSCS requirements: ENGL 101; LIBA 102 or ENGL 102; one of ENGL 221-223

Community college composition courses [6 UM hours]

ENG 1113 English Composition I → ENGL 101

ENG 1123 English Composition II → ENGL 102

Community college literature courses [3 UM hours]

Any one of ENG 2213, 2223, 2233, 2233, 2323, 2333, 2413, 2423, 2433

→ various courses in ENGL 221-226 range

SPEECH

UM BSCS requirements: SPCH 105 (SPCH 102 may be substituted)

Community college speech course [3 UM hours]

SPCH 1113 Oral Communications → SPCH 102

GENERAL EDUCATION REQUIRMENTS

UM BSCS requirements: 18 hours of social science, humanities, and fine arts chosen as follows

- At least 3 hours from each area of social sciences, humanities, and fine arts
- 9 additional hours from any of the social science, humanities, or fine arts areas
- Cannot include performance fine arts or 100-level modern language courses

Community college Social Sciences [3 UM hours]

Anthropology, Economics, Political Science, Psychology, Sociology

Examples: ECO 2113, 2123, SOC 2113, 2123, 2213, 2243, PSC 1113, 1123, 2113, PSY 1513, 1523

Community college Humanities [3 UM hours]

History, Philosophy, Religion, English beyond what required above, Modern Languages except no 100-level

Examples: HIS 1113 or 1163, 1123 or 1173, 2213, 2223, PHI 2113, 2613, 2713, MFL (French) 2113, 213,

MFL (Spanish) 2213, 2223, MFL (German) 2213, 2323, ENG 2513 or other ENG literature courses not taken above

Community college Fine Arts [3 UM hours]

Art, Dance, Music, and Theater except no performance courses

Examples: ART 1113, MUS 1113, SPT 2233

Others from any of social science, humanities, or fine arts as constrained above [9 hours]

TECHNICAL ELECTIVES

UM BSCS requirements: 15 hours subject to Department approval

Community college courses: Extra courses in mathematics, natural science, social science, humanities, fine arts, accounting, or business can sometimes be transferred as technical electives.