

**Central Michigan University Transfer Guide**

for Academic Year 2008-2009

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**B.S. in Computer and Information Science or in Software Engineering**

UNIVERSITY of MICHIGAN – DEARBORN Equivalent Courses and Course Groups	CENTRAL MICHIGAN UNIVERSITY CMU transferable courses applicable to the major:	CMU Credits	UM-Db Credits
<b>1. Composition</b> 105 and 270 (6 credits)	<b>English</b> 101 and 201*	6	6
<b>2. Economics</b> 201 (3 credits)	<b>Economics</b> 201	3	3
<b>3. Humanities</b> (Hum) (6 credits)  Two courses in the humanities. See note below **	<b>Humanities</b> ** Take any two courses from: Art 185, 285, Music 114, 210, 313, English 121, 122, 134, 235, 236, 251, 252, 261, 262, Philosophy 100, 105, 118, 140, 190, 218, 230, Foreign Language	6	6
<b>4. Behavioral/Social Sciences</b> (6 credits) (BS/SS)  Two courses in the behavioral/social sciences. See note below **	<b>Two courses</b> from: Anthropology 170, 174, 175, 200, 244, Economics 202; Geography 121, History 101, 102, 111, 112, 163, 176, 200, 210, 236, 337, 238, Pol Sci 100, 101, 105, 150, 151, 210, 222, 223, 224, 235, 240, 241, 261, 275, 280, Psych 100, 220, 250, 260, 280, Soc 100, 200, 201, 209, 210, 221, 222, 223	6	6
<b>5. Mathematics</b> Math 115, 116, 217 (or 227)	<b>Mathematics</b> Math 132, 133, 223	11	10
<b>6. Natural Science</b> - two-course sequence (8 hrs)  CIS students, either Computer Science (CS) Option or Information Systems (IS) Option, and SE students, need eight credits in a sequence of two courses, <b>with labs</b> , in one science discipline.	Take two courses (8 credits) in one of the following two-course sequences (e.g. Phys I and Phys II) EITHER Chemistry 131 and 132 OR Chemistry 161 and 211 OR Physics 130+170 and 131+171 ** OR Physics 145+175 and 146+176 **	8	8
<b>7. Natural Science</b> – additional course (4 hrs) <b>NOT needed for CIS-IS Option</b> The third laboratory science course (4 credits), needed for CIS-CS and SE, may be in a different science from the two science courses above.	Take one science course from the following: ** <b>NOT needed for CIS-IS Option</b>  Astronomy 111, 112, Biology 101, 203, 218 Chemistry 345, 346, 347, Geology 101, 102	4	4
<b>8. Computer and Information Science</b> CIS 150 (4), CIS 200 (4)	<b>Computer and Information Science</b> CPS 180, 181	6	6
<b>9. Specific Programming Language</b> Take one from: CIS 294, 296, or 297	Take one from: CIS	3	3
<b>10. ACC 298</b> (3) [needed for <b>IS Option</b> only]	<b>Accounting 201</b> [required for <b>IS Option</b> only]	3	3
<b>11. Electives outside cis, math, science, enginr</b> 6 credits for <u>CIS Computer Science</u> (CS) Option 4 credits for the <u>Software Engineering</u> major	<b>Electives outside</b> cis, math, science, and engineering. Additional courses from rows #3, #4, or #5, or other transferable courses outside cis, math, science, enginr	Varies	6 in CS 4 in SE
<b>12. General Electives</b> 8 credits for <u>CIS Information Systems</u> (IS) Option	<b>General Electives:</b> Additional courses taken from rows above or other transferable courses	Varies	8 in IS

\* All U of Michigan-Dearborn students, both freshmen and transfers, are required to take an English Composition placement test. Students who have taken Eng 101 and 201 but place below Comp 105 will need to take Comp 227 at U of M-Dearborn.

\*\* Credit for only one from Physics 130/170 and 145/175 if both are taken, and for only one of Physics 131/171 and 146/176.

**NOTES** (apply to both sides of this sheet):

- Seven undergraduate programs offered: BS in Computer and Information Science or in Software Engineering, and BSE in Electrical Engineering, Industrial and Systems Engr, Manufacturing Engr, Mechanical Engr, or Computer Engr, all with option of co-op program. Dual degrees offered in EE/CE and in ISE/MFGE. Dual degree also offered in Engr or CIS Mathematics. Manufacturing Engr and Industrial and Systems Engr are the only two undergraduate degree programs offered in the evening.
- GPA**s of **2.75** (overall GPA, separate math GPA, and separate science GPA) are required for admission to CECS.
- A **maximum of 62 credits** transfer from a community college. Courses of C- grade or below do not transfer.
- Transfer is possible before completion of 62 credits, for either Fall (Sept), Winter (Jan), or Summer (May) entry.
- Since requirements may change, it's a student's responsibility to check with UM-Dearborn Admissions for latest information.

CECS April 2008