

HENRY FORD Community College Transfer Guide

Contact: U of M-Dearborn Admissions (313) 593-5100

For Academic Year 2008-2009

E-Mail: admissions@umd.umich.edu

Bachelor of Science in Computer & Information Science or in Software Engineering

UNIVERSITY of MICHIGAN – DEARBORN Courses and Course Groups	HENRY FORD COMMUNITY COLLEGE HFCC transferable courses applicable to the major:	HFCC Credits	UM-D Credits
1. Composition 105 and 270 (6 credits)	English 131 and 135 (or 131 and 132) *	6	6
2. Economics 201 (3 credits)	Economics 151	3	3
3. Humanities (6 credits) (Hum) Take two courses in the humanities. See note below **	Humanities ** Take any two courses from: ART 121, 122, 123, 224, 245, 280, ENG 231, 232, 233, 235, 236, 237, 239, 241, 243, 245, 248, Foreign Lang, HON 251, MUS 130, 132, 133, 232, 233, PHIL 131, 133, 135, 137, 139, TCM 131, 132 WR 130, 131, 232, 233, 240	6 (or 8)	6
4. Behavioral/Social Science (6 credits) (BS/SS) Take two courses in the behavioral/social sciences See note below **	Behavioral /Social Sciences ** Take two courses: ANTH 131, 151, 152, 153, BEC 152, HIST 111, 112, 113, 151, 152, 225, 230, 235, 237, 238, 255, 257, 260, 262, 265, POLS 131, 152, 153, PSY 131, 161, 251, 253, 254, 260, SOC 131, 132, 151, 152, 254	6	6
5. Mathematics Math 115, 116, 217 (or 227)	Mathematics Math 180, 183, 283	13	10
6. Natural Science – a 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, with laboratories , in one science discipline.	Take two science courses (8 credits) in a two-course sequence (e.g. Phys I & Phys II) from: EITHER Biology 150 and 152 (4 and 4) OR Chemistry 141 and 142 (5 and 5) OR Physics 131 and 132 (4 and 4) *** OR Physics 231 and 232 (5 and 5) ***	8 (or 10)	8
7. Natural Science – additional course (4 credits) NOT needed for CIS-IS Option 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 other science course from: *** NOT needed for CIS-IS Option Astronomy 131+133, Biology 130, 131, 141+143, 150, 152, Chem 141, 142, 241, 242, 243+244, Geology 131, Physics 131, 132, 133, 231, 233	4 (or 5)	4
8. Computer and Information Science CIS 150, C++ (4 credits) CIS 200, Advanced C++ (4 credits) CIS 275, Discrete Structures (4 credits)	Computer and Information Science CIS 170 CIS 230 MATH 275	3 3 4	3 3 4
9. Specific Programming Language Take one from: CIS 294, CIS 296, or CIS 297	Take only one from: CIS 130 or 215, CIS 171, CIS 232 or 186	3	3
10. ACC 298 (3) [needed for IS Option only]	Acct (BAC) 131 [needed in IS Opt only]	4	3
11. Electives outside cis, math, science, engineering 6 credits for <u>CIS Computer Science (CS) Option</u> 4 credits for <u>Software Engineering (SE) major</u>	Electives outside cis, math, science, engineering. Additional courses from rows #3 or #4, or trans- ferable courses outside math, cis, science, engineering	Varies	6 in CS 4 in SE
12. General Electives 8 credits for <u>CIS Information Systems (IS) Option</u>	Genrl Elects: CIS 100, 107, 111, 112, 113, 114, 116, 121, 122, 123, 124, 125, 129, 130, 132, 160, 171, 172, 186, 210, 212, 215, 220, 222, 224, 227, 229, 232, 234, 270, 272, 280, 295, BAC 132, Math 175, rows #3, #4	Varies	8 in IS

* All U of M-Dearborn students, both freshmen and transfers, are required to take an English Composition placement test.

Students who took Eng 131 and 135 (or 131 and 132) but place below Comp 105 will need to take Comp 227 at Uof M-Dbn.

** After transfer to UM-Db, CS option students take **one** 300/400-level course in one **same** subject used in either Hum or BS/SS.

*** Credit for only one from Physics 131 and 231 if both are taken. Credit for only one from Physics 132 and 232 if both are taken.

- Seven undergraduate programs offered: BS in Computer and Information Science or in Software Engineering, and BSE in Electrical, Industrial and Systems, Manufacturing, Mechanical, or Computer Engineering – all with option of the co-op prog. Dual degree offered in EE/CE and in ISE/MFGE. Dual degree also offered in Engr or CIS Mathematics.
- GPA**s of **2.75** (overall GPA, separate mathematics GPA, separate science GPA) needed for admission to CECS.
- A **maximum of 62 credits** transfer from community colleges (courses with C- grade or below do not transfer).
- Transfer is possible before completion of all courses listed, 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