

Bachelor of Science in Engineering (B.S.E.) in Electrical, Industrial and Systems, Manufacturing, Mechanical, or Computer 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
Composition 105 and 270 (6 credits)	English 131 and 135 (or 131 and 132) *	6	6
Economics 201 (3 credits)	Economics 151	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; HON 251; MUS 130, 132, 133, 232, 233; PHIL 131, 133, 135, 137, 139; Foreign Lang; TCM 131, 132; WR 130, 131, 232, 233, 240	6 (or 8)	6
Behavioral/Social Sciences (6 credits) (BS/SS) Take two courses in the behavioral/social sciences. See note below. **	Behavioral/Social Sciences ** Any two from: ANTH 131; 151, 152, 153; BEC 152; HIST 111, 112, 113, 151, 152, 225, 230, 235, 236, 237, 238, 255, 257, 260, 262, 265; POLS 131, 152, 153; PSY 131, 161, 253, 251, 254, 260; SOC 131, 132, 151, 152, 254	6	6
Mathematics (5 courses, 16 credits) Math 115, 116, 205 (or 215), 216, 217 (or 227)	Mathematics MATH 180, 183, 280, 289, 283	21	16
Chemistry 144 (4) Chemistry 146 (4) [ME, ISE, or MFGE only]	Chemistry 141 Chemistry 142 [ME, ISE, or MFGE only]	5 5	4 4
Physics 150 and 151 (4 credits each)	Physics 231 and 232	10	8
Engineering 100 (2) – Intro to Engineering	Engr 130 – Introduction to Engineering	3	2
CREDITS transferable to all engineering degree programs:			51-55

Choose carefully from the courses below, since they count for credit only for the major specified.

Since a maximum of 62 credits transfer to U of M-Dearborn from a community college, students must choose and take no more than 62 applicable credits from the combined sum of the last column (above) and last column (below).

Engineering 126 (2) [ME, ISE, or MFGE only]	Draf 120 or Draf 127 [ME, ISE, MFGE majors only]	4 or 2	2
Engr 250 (3 credits) [ME, ISE, or MFGE only]	Engr 201 [ME, ISE, or MFGE only]	3	3
ECE 276 (4) [Computer Engr students only]	MATH 275 [Computer Engr students only]	4	4
ME 260 (4 credits) [for all engineering majors]	Engr 232 (3 credits) The one missing credit made up by one additional U of M-Dbn enginr major elective credit	3	3
ME 345 (4 credits) [ME majors only]	Engr 233 (3 credits) [ME majors only] The one credit difference is made up by one additional U of M-Dbn engineering major elective credit	3	3

* All U of M-Dearborn students, both freshmen and transfers, are required to take an English Composition placement test. Students who have taken Eng 131 and 135 (or 131 and 132) but place below Comp 105 will need to take Comp 227 at UM-Db.

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

NOTES (apply to both sides of this sheet):

- Seven undergraduate degree programs are offered: BS in Computer and Information Science or in Software Engineering, and BSE in Electrical Engineering, Industrial and Systems Engineering, Manufacturing Engineering, Mechanical Engineering, or Computer Engineering, all with option of taking part in the co-op program. Dual Degrees offered in EE/CE and ISE/MFGE. 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 into U of M-Dearborn from community colleges. Courses with C- 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