

University of Michigan-Flint
B.S. in ENGINEERING, as of FALL 2010

Student's Name _____
 UMID: _____
 Expected Graduation Date _____

Current/Revised Date(s) _____
 Cum G.P.A. _____ Cum Credits _____
 First Term at UM-Flint _____
 Advisor: _____

Note: A grade of "C" or better is required for many courses including some prerequisites courses.

CSC - CHM - ENG - MTH (32 credits)	Term	Grade
CSC 175 Programming C++ (t) (4)		
CHM 260 Prin Chem I (3)		
CHM 261 Gen Chem Lab (1)		
CHM 262 Prin Chem II (3)		
ENG 112 or EHS 120 (Eng. Comp) (3)		
MTH 121 Calc I (fq) (4)		
MTH 122 Calc II (4)		
MTH 220 Elem Linear Algebra (3)		
MTH 222 Multivariate Calc (4)		
MTH 305 Diff Equations (3)		

PHY (10 credits)	Term	Grade
PHY 243 Prin Phys I (n/nl) (5)		
PHY 245 Prin Phys II (n/nl) (5)		

EGR Prerequisite Courses (15 credits)	Term	Grade
EGR 102 Intro to Engineering (t) (3)		
EGR 165 CAD (ProE) (t) (3)		
EGR 230 Statics (3)		
EGR 260 Mechanics of Solids (3)		
EGR 280 Engineering Materials (3)		

EGR Core Courses (24 credits)	Term	Grade
EGR 310 Engineering Economics (fq) (3)		
EGR 315 Machine Design (3)		
EGR 330 Egr Circuit Analysis (3)		
EGR 350 Fluid Mechanics (3)		
EGR 353 Thermodynamics (3)		
EGR 370 Dynamics (3)		
EGR 465 EGR Design I (3)		
EGR 466 EGR Design II Capstone (3)		

Two EGR Labs from: (2+ credits) (EGR-PHY track = one lab)	Term	Grade
EGR 281 Egr Materials Lab (1)		
EGR 322 Analog/Digital Elec Lab (1)		
EGR 335 Egr Circuit Analysis Lab (1)		
EGR 355 Thermofluids Egr Lab (1)		
EGR 433 Adv Physics Lab II (1-3)		

Completion of Option A or B - see page two for specifics. (21 credits)
Option A: Add'l EGR courses. (21)
Option B: Computer Engineering (21)
Managerial Engineering: complete
General Business Minor (24)
Engineering Physics (21)
Environmental Engineering (21)

ECN 201 and/or ECN 202
- ECN 201 or 202 = one of the prereqs for EGR 310;
- electing both is recommended - (required for Managerial Egr track).
- electing both meets the Gen Ed social science requirement.

General Education (for CAS B.S.)	Term	Grade
FYE - UNV 100 (3)		
English Comp: ENG 112 (or EHS 120, HON 156) (3)		ENG 112
Humanities (h) (3)		
Humanities (h) (3)		
Soc Sci (s) } ECN 201 and 202 (3)		
Soc Sci (s) } recommended. (3)		
Global Studies (gs) (3)		
Fine Arts (f) (3)		
Health & Well Being (hw) (3)		
Finance & Quantitative Literacy (fq) (3)		EGR 310/MTH 121
Nat Sci w/lab (n/nl) (4)		PHY 243/ 245
Technology (t) (3)		EGR 102/165
Capstone (3)		EGR 466

