

Updated: 11/15/2016

3/2 MU Mathematics (MABS) / WUSL Computer Engineering Major

| Fall Semester | | 1 st year | Spring Semester | |
|--|----------|----------------------|--|----------|
| MA 140 Calculus I | 4 | | MA 240 Calculus II | 4 |
| IN 140 University Seminar | 1 | | IN 151 CRWRR II | 3 |
| IN 150 CRWRR I | 3 | | MA 320 Math History/ICS/Historical Studies | 3 |
| CH 121/151 General Chemistry with lab | 4 | | MA135 Computer Science I | 3 |
| <i>EC 100 or EC 110 Economics</i> | 3 | | CO 200 Public Speaking | 3 |
| | 15 | | | 16 |
| PY 151/171 University Physics I | 4 | 2 nd year | PY 152/172 University Physics II | 4 |
| MA235 Computer Science II | 3 | | Fine Arts | 3 |
| MA 340 Calculus III | 3 | | MA 305 Differential Equations | 3 |
| MA 208 Discrete Mathematics | 3 | | MA308 Theory of Computation | 3 |
| IN 251 US Studies | 3 | | MA 303 Linear Algebra | 3 |
| | 16 | | | 16 |
| PY 262 Experimental Physics I | 3 | 3 rd year | PY 303 Physical Chemistry I | 3 |
| MA335 Algorithms and Data Structures | 3 | | PY 352 Classical Mechanics | 3 |
| IN 350/Literature | 3 | | MA 314 Adv Stat (Exam P, SOA: exam 1, CAS) | 3 |
| MA 304 Probability and Statistics I | 3 | | MA 313 Numerical Analysis | 3 |
| ICS | 3 | | Elective EN 210 | 3 |
| | 15 | | | 15 |
| WUSL – Computer Engineering | | | | |
| | | 4 th year | | |
| CSE 240 Logic and Discrete Mathematics | 3 | | CSE 247 Algorithms and Data Structures | 3 |
| CSE 260M Intro to Digital Logic and Computer Design | 3 | | ESE232 Introduction to Electrical Circuits | 3 |
| CSE 361S Introduction to Systems Software | 3 | | ESE 326 Probability and Statistics for Engineers | 3 |
| ESE 230 Introduction to Electrical Networks | 4 | | Computer Engineering Technical Electives | 3 |
| Computer Engineering Technical Electives | 3 | | ENGR 310 Technical Writing MU EN 210 | 3 |
| | 16 | | | 15 |
| | | 5 th year | | |
| CSE 362M Computer Architecture | 3 | | Computer Engineering Technical Electives | 9 |
| Computer Engineering Technical Electives | 6 | | CSE 4XX CoE Focus Area (Hardware or Software) | 3 |
| CSE 4XX CoE Focus Area (Hardware or Software) | 3 | | EN 4502, 4503 Engineering Professional Practice or Free Elective | 2 |
| EN 4502 Engineering Professional Practice or Free Elective | 1 | | | |
| CSE 497 Computer Engineering Senior Project | 3 | | | |
| | 16 | | | 14 |

Millikin University will award Mathematics degree upon completion of engineering degree at WUSL