

BS in Engineering with a Management Track

Following this sequence increases the likelihood of completing this degree in four years' time. Dropping courses, adding additional courses, retaking classes, or registering for less than a full course load will delay graduation, so consult your academic advisor before deviating from this suggested sequence. Students may enroll in a course only if they have met all prerequisites for that course. Check the UIW Bulletin for details.

The **bolded** courses indicate the courses required for the Management Track. As the department adds additional Tracks, those courses will be replaced with courses in, for example, Mechatronics, Sustainability, Environmental Science, and so forth.

| | FALL | | SPRING | |
|-----------|--|-----------------|--|-----------------|
| FR | CHEM 1301 Chemical Principles 1 | 3 hrs | CHEM 1302 Chemical Principles 2 | 3 hrs |
| | MATH 2312 Calculus 1 | 3 hrs | CHEM 1203 General Chemistry Lab | 2 hrs |
| | ENGL 1311 Composition 1 | 3 hrs | MATH 2313 Calculus 2 | 3 hrs |
| | ENGR 1201 Introduction to Engineering | 2 hrs | ENGL 1312 Composition 2 | 3 hrs |
| | ENGR 1310 Engineering Graphics CAD 1 | 3 hrs | ENGR 1312 Engineering Graphics CAD 2 | 3 hrs |
| | ECON 2301 Macroeconomics | 3 hrs | PEHP 11xx Physical Education | 1 hr |
| | Semester Hours | 17 hours | Semester Hours | 15 hours |
| SO | MATH 2322 Linear Algebra | 3 hrs | ENGR 2340 Computer Programming | 3 hrs |
| | ENGR 2330 Engineering Prob & Statistics | 3 hrs | MATH 2314 Differential Equations | 3 hrs |
| | ENGR 2305 Engineering Physics 1 | 3 hrs | ENGR 2306 Engineering Physics 2 | 3 hrs |
| | ENGR 2105 Engineering Physics 1 lab | 1 hr | ENGR 2106 Engineering Physics 2 lab | 1 hr |
| | ENGL 2310 World Literature Studies | 3 hrs | PHIL 1381 Introduction to Philosophy | 3 hrs |
| | Second Language 1 | 3 hrs | Second Language 2 | 3 hrs |
| | Semester Hours | 16 hours | Semester Hours | 16 hours |
| JR | ENGR 3340 Numerical Methods | 3 hrs | ENGR 3430 Engineering Analysis and lab | 4 hrs |
| | ENGR 4375 Thermodynamics | 3 hrs | Upper Level Engineering Elective | 3 hrs |
| | Upper Level Engineering Elective | 3 hrs | ENGR 3350 Statics | 3 hrs |
| | HIST 1311, 1312, 1321, 1322 | 3 hrs | Fine Arts | 3 hrs |
| | Management Track course | 3 hrs | Management Track course | 3 hrs |
| | Semester Hours | 15 hours | Semester Hours | 16 hours |
| SR | ENGR 3460 Circuit Analysis and lab | 4 hrs | ENGR 3462 Electronics and lab | 4 hrs |
| | RELS 1305, 1315, 1325, or 1327 | 3 hrs | Upper level RELS or PHIL | 3 hrs |
| | ENGR 3455 Mechanics of Materials and lab | 4 hrs | ENGR 4470 Fluid Mechanics and lab | 4 hrs |
| | DWHP 1200 Dimensions of Wellness | 2 hrs | ENGR 4490 Senior Capstone | 4 hrs |
| | Management Track course | 3 hrs | Management Track course | 3 hrs |
| | Semester Hours | 16 hours | Semester Hours | 18 hours |
| | | | Total 129 hours | |

UIW Core Course Options

FINE ARTS

Any three-hour Performance or History course in Visual Art, Dance, Music, or Theatre

RELIGIOUS STUDIES

Choose from RELS 1305, 1315, 1325, 1327

PHILOSOPHY

PHIL 1381

PHIL or RELS Upper level

3000 level or above

SOCIAL SCIENCE

ANTH 1311, CLST 2315, **ECON 2301**, GOVT 1315, 1316, PSYC 1301, SOCI 1311

NATURAL SCIENCE

BIOL 1401, 1402, 2321/2121;

CHEM 1301/1203, 1405

ENSC 1410

GEOL 1401, 1402, 1415, 1420

METR 1430

NUTR 2400

PHYS 1301/1101, 2305/2105

HISTORY

HIST 1311, 1312, 1321, 1322

MATH

MATH 1304, 1306, 2303, or higher level

MANAGEMENT TRACK COURSES

ECON 2302 Microeconomics

ACCT 2311 Principles of Accounting

BMSD 3371 Management Science

BFIN 3321 Prin of Financial Management