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| **Degrees** | **Semester 1** | **Semester 2** | **Semester 3** | **Semester 4** | **Semester 5** | **Semester 6** | **Semester 7** | **Semester 8** |
| **B.S. in IE****122 credits** | **Math 165****Calc I****4 cr**Placement Exam | **Math 166****Calc II****4 cr**C- or better in Math 165 | **Math 265****Calc III****4 cr**C- or better in Math 166 | **Math 267****Diff Eq/Lap****4 cr**C- or better in Math 166 | **I E 305****Engr Econ Analysis****3 cr**Math 166 | **I E 348****Solidif Processes****3 cr**IE 248Mat E 273*Spring Only* | **I E 413****Stoch Modeling****4 cr**Math 267Stat 231*Fall Only* | **I E 441****IE Design****3 cr**IE 248, IE 271, IE 361Credit/Enrollment in IE 341, IE 413& IE 448 |
|  | **SSH****Elective****3 cr** | **Phys 221****Classical Phys I****5 cr**Credit/enrollment in Math 166 | **I E 248****Intro Mfg Processes****3 cr**Math 166, Phys 221; Credit/ enrollment in IE 101 & Mat E 273*Fall Only* | **Stat 231****Prob & Stat****4 cr**Credit/enrollment in Math 265 | **I E 341****Production Systems****3 cr**Stat 231Credit/enrollment in IE 312*Fall Only* | **I E 361****Quality Assurance****3 cr**Stat 231 | **Engl 314****Tech Comm****3 cr** | **I E 448****Manuf Sys Engr****3 cr**IE 248IE 305*Spring Only* |
|  | **Chem 167****Engr Chem****4 cr**Math 140 | **SSH****Elective****3 cr** | **Mat E 273****Principles of Materials Science****3 cr**Sophomore classification Chem 167 or 177, Math 165 | **I E 271****Appl Ergonomics****3 cr**Physics 221*Spring Only* | **I E 312****Optimization****3 cr**Credit/enrollment in Math 267*Fall Only* | **Engr Topic****Elective****3 cr** | **M E 231****Engineering Thermodynamics I****3 cr**Math 265, Chem 167, Phys 222 | **Focus****Elective****3 cr** |
|  | **IE 148****Information Engr****3 cr**Credit/enrollment in Math 142 | **Engl 150****Comp I****3 cr** | **Phys 222****Classical Phys II****5 cr**Phys 221Math 166 | **E M 274****Statics****3 cr**Credit/enrollment in Math 166 & Phys 221 | **E E 442****Intro Circuits****2 cr**Math 267Physic 222 | **SSH****Elective****3 cr** | **Focus****Elective****3 cr** | **Mgmt****Elective****3 cr** |
|  | **Engr 101****Orientation****R cr** | **Lib 160****Library****1 cr** | **Engl 250****Comp II****3 cr**C or better in Engl 150 or placement |  | **Sp Cm 212****Prof Comm****3 cr** | **Mgmt****Elective****3 cr** | **SSH****Elective****3 cr** | **Engr Topic Elective****3 cr** |
|  |  | **I E 101****I E Orient****R cr** |  |  |  |  |  |  |
| **122 Total Credits** | **14 cr** | **16 cr** | **18 cr** | **14 cr** | **14 cr** | **15 cr** | **16 cr** | **15 cr** |