<table>
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<tr>
<th>STUDENT NAME __________________________________________</th>
<th>Z# ___________________</th>
<th>ADVISOR __________________</th>
<th>ADMITTED ___________</th>
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<tbody>
<tr>
<td><strong>Freshman Year</strong></td>
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<tr>
<th>First Semester</th>
<th>Cr</th>
<th>Course Title</th>
<th>Prerequisites/Corequisites</th>
<th>Sem/Yr</th>
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<th>Course Title</th>
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<td>CHEM 210</td>
<td>3</td>
<td>Gen Chemistry</td>
<td>PRQ: MATH 110, or MATH 155, or MATH 229 or Placement; CHEM 110, or Placement or consent CRQ: CHEM 212.</td>
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<td>COMS 100</td>
<td>3</td>
<td>Fund of Oral Comm.</td>
<td>None</td>
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<td>CHEM 212</td>
<td>1</td>
<td>Gen Chemistry</td>
<td>CRQ: CHEM 210</td>
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<td>ENGL 203 (C)</td>
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<td>Rhetoric &amp; Comp II</td>
<td>PRQ: ENGL 103 (C)</td>
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<tr>
<td>ENGL 103 (C)</td>
<td>3</td>
<td>Rhetoric &amp; Comp I</td>
<td>None</td>
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<td>ENGL 204 (C)</td>
<td>3</td>
<td>Rhetoric and Composition, Accelerated Researched Writing in the Domains</td>
<td>PRQ: Placement only through English Core Competency Examination or a score of 30 or higher on the ACT combined English/Writing Test.</td>
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<tr>
<td>MATH 229 (C)</td>
<td>4</td>
<td>Calculus I</td>
<td>PRQ: MATH 155 (C) or Placement</td>
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<td>MATH 230 (C)</td>
<td>4</td>
<td>Calculus II</td>
<td>PRQ: MATH 229 (C)</td>
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<tr>
<td>UEET 101</td>
<td>1</td>
<td>Intro to Engineering</td>
<td>None</td>
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<td>MEE 270</td>
<td>3</td>
<td>Engr Graphics</td>
<td>CRQ: MATH 155 or MATH 229</td>
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<td>PHYS 253 (C)</td>
<td>4</td>
<td>Fund of Physics I (Lab Included)</td>
<td>CRQ: MATH 229</td>
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| **Sophomore Year**                                     |                        |                            |                     |

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<tr>
<th>First Semester</th>
<th>Cr</th>
<th>Course Title</th>
<th>Prerequisites/Corequisites</th>
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<th>Course Title</th>
<th>Prerequisites/Corequisites</th>
<th>Sem/Yr</th>
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<tbody>
<tr>
<td>ECON 260 or ECON 261</td>
<td>3</td>
<td>Microeconomics or Macroeconomics</td>
<td>Sophomore Standing (Recommended)</td>
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<td>CSCE 240</td>
<td>4</td>
<td>Computer Prog. In C++</td>
<td>PRQ: MATH 110 or 155 or 206 or 210 or 211 or 229; or consent</td>
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<tr>
<td>ISYE 350</td>
<td>3</td>
<td>Prin of Mic Proc (F)</td>
<td>PRQ: CHEM 210, MATH 229 &amp; PHYS 253</td>
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<td>ELE 210 or</td>
<td>3</td>
<td>Engr Circuit Analysis I</td>
<td>PRQ: MATH 230(C) &amp; PHYS 273(C)</td>
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<td>MATH 232</td>
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<td>TECH 175/175A</td>
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<td>Electronic Fundamentals</td>
<td>PRQ: MATH 155 (C), PHYS 150A or PHYS 210</td>
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<td>PHYS 273</td>
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<td>Fund of Physics II (Lab Included)</td>
<td>PRQ: PHYS 250A or PHYS 253 CRQ: Math 230</td>
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<td>ISYE 320</td>
<td>3</td>
<td>Probability &amp; Statistics for Eng. (FS)</td>
<td>PRQ: MATH 230</td>
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<td>MATH 336</td>
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<td>Ordinary Diff Equation</td>
<td>PRQ: MATH 230</td>
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| **Junior Year**                                        |                        |                            |                     |

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<th>Sem/Yr</th>
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<tbody>
<tr>
<td>ISYE 370</td>
<td>3</td>
<td>Op Res. Det Models (F)</td>
<td>PRQ: MATH 232</td>
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<td>ISYE 310</td>
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<td>Wrk Mea &amp; Design (S)</td>
<td>CRQ: ISYE 335 or STAT 350 or UBUS 223</td>
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<tr>
<td>ISYE 410</td>
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<td>Human Factor Engr (F)</td>
<td>PRQ: PHYS 232 &amp; ISYE 335 or STAT 350 or UBUS 223</td>
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<td>ISYE 371</td>
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<td>Op Res: Prob Mod (S)</td>
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<tr>
<td>MEE 209 or MEE 210*211</td>
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<td>Engr Mech Stats &amp; Dyn (F)</td>
<td>PRQ: MATH 230 &amp; PHYS 253</td>
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<td>ISYE 430</td>
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<td>Quality Control (S)</td>
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<td>PSYC 102</td>
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<td>Intro to Psychology</td>
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<td>TECH ELEC II</td>
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| **Senior Year**                                        |                        |                            |                     |

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<tr>
<td>ISYE 440</td>
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<td>Prod Plan &amp; Control (F)</td>
<td>PRQ: ISYE 335 or UBUS 223 or STAT 350</td>
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<td>ISYE 450</td>
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<td>Lean Mgr Systems (S)</td>
<td>PRQ: ISYE 250 or consent</td>
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<td>ISYE 460</td>
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<td>Fac Plan &amp; Design (F)</td>
<td>CRQ: ISYE 370 and ISYE 350</td>
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<td>ISYE 495</td>
<td>3</td>
<td>Senior Design Prj</td>
<td>See catalog</td>
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<td>ISYE 480</td>
<td>3</td>
<td>Sim Mod &amp; Analy (F)</td>
<td>PRQ: ISYE 335 or STAT 350 or UBUS 223, &amp; CSCI 240 &amp; ISYE 371; or Consent</td>
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<td>Senior Design Proposal</td>
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(S) - Spring  (F) - Fall
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>ACCY 206</td>
<td>Introductory Financial Accounting (3)</td>
<td>Completion of 24 or more semester hours of course work and a grad (≥ C) or better in OMIS 259 or equivalent. Not Open to students with credit in ACCY 288</td>
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<tr>
<td>ACCY 207</td>
<td>Introductory Cost Management (3)</td>
<td>ACCY 206 or equivalent</td>
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<tr>
<td>ACCY 288</td>
<td>Fundamentals of Accounting (3)</td>
<td>Sophomore Standing.</td>
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<tr>
<td>BIOS 311</td>
<td>Functional Human Anatomy (4)</td>
<td>Sophomore Standing or above</td>
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<tr>
<td>COMS 302</td>
<td>Introduction to Organizational Comm. Theory (3)</td>
<td>None</td>
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<tr>
<td>COMS 361</td>
<td>Business and Professional Communication (3)</td>
<td>COMS 100</td>
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<tr>
<td>or ECON 301</td>
<td>Labor Problems (3)</td>
<td>ECON 260</td>
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<td>ECON 361</td>
<td>Intermediate Macroeconomics (3)</td>
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<td>ECON 386</td>
<td>Environmental Economics (3)</td>
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<td>MATH 240</td>
<td>Linear algebra and Applications (4)</td>
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<td>MATH 360</td>
<td>Model Building in Applied Mathematics (3)</td>
<td>MATH 230</td>
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<td>MATH 380</td>
<td>Elementary Combinatorics (3)</td>
<td>MATH 230</td>
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<tr>
<td>MATH 434</td>
<td>Numerical Linear Algebra (3)</td>
<td>PRQ: MATH 232; MATH 239 or MATH 240; and CSCI 230 or CSCI 240 or approved equivalent</td>
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<tr>
<td>MATH 435</td>
<td>Numerical Analysis (3)</td>
<td>MATH 232, MATH 239 or MATH 240, and CSCI 230, CSCI 240, or approved equivalent.</td>
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<td>MATH 439</td>
<td>Applied Mathematics For Sciences and Engineering (3)</td>
<td>MATH 232 and MATH 336</td>
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<tr>
<td>MGMT 333</td>
<td>Principles of Management (3)</td>
<td>PSYC 102 and junior or senior standing.</td>
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<td>OMIS 351</td>
<td>Information Systems in Organizations (3)</td>
<td>Consent of department</td>
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<tr>
<td>OMIS 442</td>
<td>Quality Management (3)</td>
<td>Consent of department</td>
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<tr>
<td>PSYC 345</td>
<td>Cognitive Psychology (3)</td>
<td>At least sophomore standing and PSYC 102, or consent of department</td>
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<td>or PSYC 372</td>
<td>Social Psychology (3)</td>
<td>At least sophomore standing and PSYC 102, or consent of department</td>
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<tr>
<td>STAT 470</td>
<td>Introduction to Probability Theory (3)</td>
<td>MATH 232 and STAT 350, or consent of division. CRQ: MATH 240 or consent of division</td>
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<td>STAT 473</td>
<td>Statistical Methods and Models I (3)</td>
<td>MATH 211 and STAT 301, or STAT 350, or consent of division. CRQ: STAT 473A.</td>
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<td>STAT 473A</td>
<td>Statistical Computing Packages (1)</td>
<td>MATH 211 and STAT 301, or STAT 350, or consent of division. CRQ: STAT 473</td>
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<td>STAT 474</td>
<td>Statistical Methods and Models II (3)</td>
<td>STAT 473 and STAT 473A, or consent of division</td>
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<tr>
<td>STAT 478</td>
<td>Statistical Methods of Forecasting (3)</td>
<td>STAT 473 or consent of division</td>
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</table>

Any 300 or 400 level course in electrical, industrial and systems, or mechanical engineering offered in the College of Engineering and Engineering Technology with the exceptions of MEE 330/331 and required courses.