

<u>Name</u>	<u>ID #</u>	<u>Faculty Advisor</u>	
<p><b>CORE CURRICULUM</b></p> <p><b>FOUNDATIONS</b> (4/5 Courses/12-15 hours) ENGL 102 Composition II _____</p> <p>MATH 130 _____</p> <p>LANG 102/192 or SEDU 465 &amp; 466 _____</p> <p>CIS 120 Intro to Comp Apps _____</p> <p>Information Access Workshop _____ (This is fulfilled in ENGL 102 at Dominican University or a stand-alone workshop)</p> <p><b>LAS SEMINARS</b> (4 courses/12 hours) Freshman Seminar _____</p> <p>Sophomore Seminar _____</p> <p>Junior Seminar _____</p> <p>Senior Seminar _____</p> <p><b>AREA STUDIES</b> (7 courses/21 semester hours) History (HI) _____</p> <p>Literature (LT) _____</p> <p>Fine Arts (FA) _____</p> <p>Natural Science (NS) _____</p> <p>Philosophy (PH) _____</p> <p>Social Science (SS) _____</p> <p>Theology (TH) _____</p> <p><b>MULTICULTURAL</b> (1 course/3 semester hours) Multicultural (MC) _____</p> <p><b>*NR – not required/A.A. or IAI GECC</b></p>	<p><u>Please check pre-requisites for all courses</u></p> <p><b>CORE Requirements</b> <b>Math Courses (10 courses/33 hours)</b></p> <p>MATH 230 (4) Linear Algebra _____</p> <p>MATH 245 Proof Techniques _____</p> <p>*MATH 261 (4) Calculus I _____</p> <p>*MATH 262 (4) Calculus II _____</p> <p>MATH 270 (4) Multivariable Calc _____</p> <p>*MATH 280 Intro Diff. Equations _____</p> <p>MATH 311 Probability &amp; Stats _____</p> <p>MATH 421 Abstract Algebra _____</p> <p>MATH 441 Real Analysis _____</p> <p>MATH 480 (2) Capstone _____</p> <p><b>MATH ELECTIVES (2 courses/300+ level)</b></p> <p>1) _____</p> <p>2) _____</p> <p><b>Physics Courses (2 courses/8 hours)</b></p> <p>*PHYS 221 University Physics I _____</p> <p>*PHYS 222 University Physics II _____</p> <p><b>Chemistry Course (1 course/4 hours)</b></p> <p>*CHEM 120 General CHEM I _____</p> <p><b>Computer Course (1 course/ 3 hours)</b></p> <p>*CPSC 155 Computer Programming I _____</p> <p>_____</p> <p><b>*Ideally, courses with the asterisk marks should be completed within the first four The course lists are based on the Armour</b></p>	<p>The course lists are based on the Armour College of Engineering at IIT's <b>Mechanical Engineering</b></p> <p>MMAE 100 Intro to the Profession _____</p> <p>MS 201 Materials Science _____</p> <p>MMAE 200 Intro to Mechanics _____</p> <p>MMAE 202 Mechanics of Solids II _____</p> <p>MMAE 232 Design for Innovation _____</p> <p>MMAE 302 Mechanics of Solids III _____</p> <p>MMAE 305 Dynamics _____</p> <p>MMAE 313 Fluid Mechanics _____</p> <p>MMAE 319* Mechanical Lab I _____</p> <p>MMAE 320 Thermodynamics _____</p> <p>MMAE 321 Applied Thermodynamics _____</p> <p>_____</p> <p>MMAE 323 Heat &amp; Mass Transfer _____</p> <p>MMAE 332 Design of Machine _____</p> <p>MMAE 350 Computational Mechanics _____</p> <p>_____</p> <p>MMAE 419 Mechanical Lab II _____</p> <p>MMAE 432 Design of Mech. Systems _____</p> <p>_____</p> <p>MMAE 433 Design of Thermal _____</p> <p>MMAE 443 Systems Analysis _____</p> <p>MMAE 445 Computer Aided Design _____</p> <p>_____</p> <p>MMAE 485 Manufacturing Processes _____</p> <p>_____</p> <p>*MMAE 319 can be replaced by MMAE 315, with the permission from student's advisor and MMAE 315 instructor.</p>	<p>IPRO Electives (2 courses)</p> <p>1) _____</p> <p>2) _____</p> <p><b>Important Notes for Dual Program:</b></p> <ol style="list-style-type: none"> <li>Students must earn a B or higher in Math, Physics, Chemistry and Computer Science</li> <li>Students must maintain an overall GPA of a 3.0</li> <li>All students should complete their language requirement as early as possible.</li> <li>If students do not place into Math 261, they may have to take courses in the summer.</li> <li>Students take courses at both Dominican and IIT University.</li> </ol> <p><b>DETERMINING CLASS STANDING</b></p> <p>Freshman: less than 28 credits Sophomore: 28 – 59 credits Junior: 60 – 89 credits Senior: 90 or more credits</p> <p><b>Transfer Earned</b> _____</p> <p><b>Dominican University Credits</b> _____</p> <p><b>TOTAL for Graduation</b>     <b><u>124*</u></b></p> <p>Students may graduate with more than 124 hours depending on Math/English and Language placement.</p>