

<u>Name</u>	<u>ID #</u>	<u>Faculty Advisor</u>
<p>CORE CURRICULUM</p> <p>FOUNDATIONS (4/5 Courses/12-15 hours) ENGL 102 Composition II _____</p> <p>MATH 130 _____</p> <p>LANG 102/192 or SEDU 465 & 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>LAS SEMINARS (4 courses/12 hours) Freshman Seminar _____</p> <p>Sophomore Seminar _____</p> <p>Junior Seminar _____</p> <p>Senior Seminar _____</p> <p>AREA STUDIES (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>MULTICULTURAL (1 course/3 semester hours) Multicultural (MC) _____</p> <p>*NR – not required/A.A. or IAI GECC</p>		
<p><u>Please check pre-requisites for all courses</u></p> <p>CORE Requirements Math Courses (10 courses/33 hours)</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 & Stats _____</p> <p>MATH 421 Abstract Algebra _____</p> <p>MATH 441 Real Analysis _____</p> <p>MATH 480 (2) Capstone _____</p> <p>MATH ELECTIVES (2 courses/300+ level)</p> <p>1) _____</p> <p>2) _____</p> <p>Physics Courses (2 courses/8 hours)</p> <p>*PHYS 221 University Physics I _____</p> <p>*PHYS 222 University Physics II _____</p> <p>Chemistry Course (1 course/4 hours)</p> <p>*CHEM 120 General CHEM I _____</p> <p>Computer Course (1 course/ 3 hours)</p> <p>*CPSC 155 Computer Programming I _____</p> <p>_____</p> <p>*Ideally, courses with the asterisk marks should be completed within the first four semesters.</p>		
<p>The course lists are based on the Armour College of Engineering at IIT's</p> <p>Aerospace Engineering</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 304 Mechanics of Aero _____</p> <p>MMAE 305 Dynamics _____</p> <p>MMAE 311 Compressible Flow _____</p> <p>MMAE 312 Aerodynamics of Vehicles _____</p> <p>MMAE 313 Fluid Mechanics _____</p> <p>MMAE 315* Aerospace Lab _____</p> <p>MMAE 320 Thermodynamics _____</p> <p>MMAE 350 Computational Mech. _____</p> <p>MMAE 372 Aerospace Materials _____</p> <p>MMAE 410 Aircraft Lab _____</p> <p>MMAE 411 Spacecraft Dynamics _____</p> <p>MMAE 415 Aerospace Lab II _____</p> <p>MMAE 443 Systems Analysis _____</p> <p>MMAE 452 Aerospace Propulsion _____</p> <p>MMAE 412 or 414 _____</p> <p style="text-align: center;">-OR-</p> <p>MMAE 413 and 416 _____</p> <p>*MMAE 315 can be replace by MMAE 319, with permission from student's advisor and MMAE 319 instructor.</p> <p>IPRO Elective (2 courses)</p> <p>1) _____</p> <p>2) _____</p>		
<p>Important Notes for Dual Program:</p> <ol style="list-style-type: none"> Students must earn a B or higher in Math, Physics, Chemistry and Computer Science Students must maintain an overall GPA of a 3.0 All students should complete their language requirement as early as possible. If students do not place into Math 261, they may have to take courses in the summer Students take courses at both Dominican and IIT University <p>DETERMINING CLASS STANDING Freshman: less than 28 credits Sophomore: 28 – 59 credits Junior: 60 – 89 credits Senior: 90 or more credits</p> <p>Transfer Earned _____ Dominican University Credits _____ TOTAL for Graduation <u>124*</u></p> <p>Students may graduate with more than 124 hours depending on Math/English and Language placement.</p>		