

Name _____ **ID #** _____ **Faculty Advisor** _____

CORE CURRICULUM

FOUNDATIONS (4/5 courses/ 12-15 hours)

ENGL 102 Composition II _____

MATH 130 College Algebra _____

LANG 102/192 or SEDU 465 & 466 _____

CIS 120 Intro to Comp Apps _____

Information Access Workshop _____
(This is fulfilled in ENGL 102 at Dominican University or a stand-alone workshop.)

HONORS SEMINARS (7 courses/21 hours)

(Note: no more than two courses may be taken from any one discipline)

Big Questions (HNBQ) (HNSM 1XX) _____

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Exploration & Invest. (HNEI) _____

Exploration & Invest. (HNEI) _____

Exploration & Invest. (HNEI) (HNSM 4XX) _____

PRACTICUM (3 cr. Hrs) _____

Study Abroad OR Internship OR Research

THEOLOGY (TH) _____

Multicultural (MC) _____

PORTFOLIO (one piece of work submitted from each honors course)

from each honors course)

***NR – not required/A.A. or IAI GECC**

Please check pre-requisites for all courses

CORE Requirements

Math Courses (10 courses/33 hours)

MATH 230 (4) Linear Algebra _____

MATH 245 Proof Techniques _____

*MATH 261 (4) Calculus I _____

*MATH 262 (4) Calculus II _____

MATH 270 (4) Multivariable Calc _____

*MATH 280 Intro Diff. Equations _____

MATH 311 Probability & Stats _____

MATH 421 Abstract Algebra _____

MATH 441 Real Analysis _____

MATH 480 (2) Capstone _____

MATH ELECTIVES (2 courses/300+ level)

1) _____

2) _____

Physics Courses (2 courses/8 hours)

*PHYS 221 University Physics I _____

*PHYS 222 University Physics II _____

Chemistry Course (1 course/4 hours)

*CHEM 120 General CHEM I _____

Computer Course (1 course/ 3 hours)

*CPSC 155 Computer Programming I _____

***Ideally, courses with the asterisk marks should be completed within the first four semesters.**

The course lists are based on the Armour

College of Engineering at IIT's

Aerospace Engineering

MMAE 100 Intro to the Profession _____

MS 201 Materials Science _____

MMAE 200 Intro to Mechanics _____

MMAE 202 Mechanics of Solids II _____

MMAE 304 Mechanics of Aero _____

MMAE 305 Dynamics _____

MMAE 311 Compressible Flow _____

MMAE 312 Aerodynamics of Vehicles _____

MMAE 313 Fluid Mechanics _____

MMAE 315* Aerospace Lab _____

MMAE 320 Thermodynamics _____

MMAE 350 Computational Mech. _____

MMAE 372 Aerospace Materials _____

MMAE 410 Aircraft Lab _____

MMAE 411 Spacecraft Dynamics _____

MMAE 415 Aerospace Lab II _____

MMAE 443 Systems Analysis _____

MMAE 452 Aerospace Propulsion _____

MMAE 412 or 414 _____

-OR-

MMAE 413 and 416 _____

*MMAE 315 can be replaced by MMAE

319, with permission from student's

advisor and MMAE 319 instructor.

IPRO Elective (2 courses)

1) _____

2) _____

Important Notes for Dual Program:

1. Students must earn a B or higher in

Math, Physics, Chemistry and

Computer Science

2. Students must maintain an overall

GPA of a 3.0

3. All students should complete their

language requirement as early as

possible.

4. If students do not place into Math

261, they may have to take courses in

the summer

5. Students take courses at both

Dominican and IIT University

DETERMINING CLASS STANDING

Freshman: less than 28 credits

Sophomore: 28 – 59 credits

Junior: 60 – 89 credits

Senior: 90 or more credits

Transfer Earned _____

Dominican University Credits _____

TOTAL for Graduation 124*

Students may graduate with more than 124

hours depending on Math/English and

Language placement.