

**Name** \_\_\_\_\_ **ID #** \_\_\_\_\_

**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) \_\_\_\_\_

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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)

\_\_\_\_\_

\*NR – not required/ A.A. or A.S. earned

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)**

\*CPCS 155 Computer Programming I \_\_\_\_\_

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

**Faculty Advisor** \_\_\_\_\_

The course lists are based on the Armour College of Engineering at IIT's

**Civil Engineering**

CAE 100 Intro to Engineering \_\_\_\_\_

CAE 101 Intro to AutoCAD \_\_\_\_\_

CAE 105 Geodetic Science \_\_\_\_\_

CAE 110 Professional Practice I \_\_\_\_\_

CAE 111 Professional Practice II \_\_\_\_\_

CAE 312 Engineering Systems Analysis \_\_\_\_\_

CAE 221 Engineering Geology \_\_\_\_\_

CAE 286 Theory Mechanics \_\_\_\_\_

Or

CAE 287 Structural Materials \_\_\_\_\_

Or

CAE 302 Fluid Mechanics & Hydraulics \_\_\_\_\_

CAE 303 Structural Design I \_\_\_\_\_

CAE 304 Structural Analysis I \_\_\_\_\_

CAE 307 Structural Design II \_\_\_\_\_

CAE 315 Materials of Construction \_\_\_\_\_

CAE 323 Intro to Geotech. Engineering \_\_\_\_\_

CAE 419 Transportation Engineering \_\_\_\_\_

CAE 431 Steel Design \_\_\_\_\_

CAE 432 Concrete/Foundation \_\_\_\_\_

CAE 457 Geotech. Foundation Design \_\_\_\_\_

CAE 470 Construction Methods \_\_\_\_\_

CAE 495 Capstone Senior Design \_\_\_\_\_

MMAE 305 Dynamics \_\_\_\_\_

**CAE Technical Electives (4 courses)**

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

**IPRO Electives (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.