

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

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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**

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

**Math Courses (4 courses/15 hours)**

\*MATH 261 Calculus I (4) \_\_\_\_\_

\*MATH 262 Calculus II (4) \_\_\_\_\_

MATH 270 Multivariable Calc (4) \_\_\_\_\_

\*MATH 280 Intro Diff. Equations \_\_\_\_\_

**Physics Courses (2 courses/8 hours)**

\*PHYS 221 University Physics I \_\_\_\_\_

\*PHYS 222 University Physics II \_\_\_\_\_

**Chemistry Course (8 course/26 hours)**

\*CHEM 120 General CHEM I (4) \_\_\_\_\_

\*CHEM 121 General CHEM II (4) \_\_\_\_\_

\*CHEM 253 Organic CHEM I (5) \_\_\_\_\_

\*CHEM 254 Organic CHEM II (5) \_\_\_\_\_

CHEM 371 Physical CHEM I (3) \_\_\_\_\_

CHEM 372 Physical CHEM II (2) \_\_\_\_\_

CHEM 373 Physical CHEM Lab (3) \_\_\_\_\_

CHEM 380 Advance Inorganic (3) \_\_\_\_\_

**Chemistry Electives (2 courses/255 or 300+)**

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

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

**Computer Course (1 course/ 3 hours)**

\*CPSC 155 Computer Programming I \_\_\_\_\_

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

CHE 202 Material Energy Balances \_\_\_\_\_

CHE 301 Fluid Mechanics \_\_\_\_\_

CHE 302 Heat & Mass Transfer Operations \_\_\_\_\_

CHE 311 Foundations Biol. Science \_\_\_\_\_

CHE 317 Chem. /Biol. Engineering Lab \_\_\_\_\_

CHE 351 Thermodynamics I \_\_\_\_\_

CHE 406 Transport Phenomena \_\_\_\_\_

CHE 418 Chem. /Biol. Engineering Lab II \_\_\_\_\_

CHE 423 Chemical Reaction \_\_\_\_\_

CHE 433 Process Modeling & System \_\_\_\_\_

CHE 435 Process Control \_\_\_\_\_

CHE 439 Numerical & Data Analysis \_\_\_\_\_

CHE 451 Thermodynamics II \_\_\_\_\_

CHE 494 Process Design \_\_\_\_\_

CHE 496 Process Design II \_\_\_\_\_

ECE 211 Circuit Analysis \_\_\_\_\_

-OR-

ECE 218 Digital Systems \_\_\_\_\_

**IPRO Electives (2 courses)**

CHE/IPRO 296 Intro. to IPRO \_\_\_\_\_

CHE/IPRO 496 Process Design II \_\_\_\_\_

IPRO 497 \_\_\_\_\_

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.