ADVISING WORKSHEET – ENGINEERING (CHEMICAL-IIT) **2018-2019**

Name_____ **ID #**_____ **Faculty Advisor** _____

CORE CURRICULUM

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

ENGL 102 Composition II _____

MATH 130 or 170_____

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)

LAS SEMINARS (4 courses/12 hours)

Freshman Seminar _____

Sophomore Seminar _____

Junior Seminar _____

Senior Seminar _____

AREA STUDIES (7 courses/21 semester hours)

History (HI) _____

Literature (LT) _____

Fine Arts (FA) _____

Natural Science (NS) _____

Philosophy (PH) _____

Social Science (SS) _____

Theology (TH) _____

MULTICULTURAL (1 course/3 semester hours)

Multicultural (MC) _____

***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

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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

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CHE 311 Foundations Biol. Science

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CHE 317 Chem. /Biol. Engineering Lab _____

CHE 351 Thermodynamics I _____

CHE 406 Transport Phenomena _____

CHE 418 Chem. /Biol. Engineering Lab II

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CHE 423 Chemical Reaction _____

CHE 433 Process Modeling & System _____

CHE 435 Process Control _____

CHE 439 Numerical & Data Analysis

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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.