ADVISING WORKSHEET – HONORS COMPUTER ENGINEERING (DUAL-IIT) **2018-2019**

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

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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 disciple)

Big Questions (HNBQ) (HNSM 1XX) _____

Big Questions (HNBQ)_____

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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)

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

Please check pre-requisites for all courses

CORE Requirements

Math Courses (7 courses/25 hours)

MATH 230 Linear Algebra (4) _____

MATH 240 Discrete Structures _____

*MATH 261 Calculus I (4) _____

*MATH 262 Calculus II (4)_____

MATH 270 Multivariable Calc (4) _____

*MATH 280 Intro Diff. Equations _____

MATH 311 Probability & Stats _____

MATH ELECTIVE 300+_____

Physics Courses (3 courses/12 hours)

*PHYS 221 University Physics I _____

*PHYS 222 University Physics II _____

PHYS 223 University Physics III_____

Chemistry Course (1 course/4 hours)

*CHEM 120 Chemistry I _____

Computer Course (10 course/30 hours)

*CPSC 155 Programming I _____

CPSC 165 Programming II _____

CPSC 245 Operating Systems _____

CPSC 275 Windows- Based App. _____

CPSC 280 Web Development _____

CPSC 285 Database Design & Prog._____

CPSC 321 Web Development II_____

CPSC 323 Algorithms _____

CPSC 430 Internship _____

CPSC 475 Sr. Software Dev._____

Choose one from (1 course/4 hours)

CHEM 121 Chemistry II _____

MS 201 Material Science _____

BIOL 111 General Biology _____

NSC 137 Intro Human BIO & Lab ____

***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

ECE 100 Intro to the Profession I _____

ECE 211 Circuit Analysis I _____

ECE 213 Circuit Analysis II _____

ECE 218 Digital Systems _____

ECE 242 Digital Comp & Computing _____

ECE 311 Engineering Electronics _____

ECE 441 Microcomputers _____

ECE 485 Computer Organization _____

CS 351 Systems Programming _____

IPRO Electives (2 courses)

1) _____

2) _____

PROF CPE Electives (2 courses)

1) _____

2) _____

Junior CPE Electives (1 course)

1) _____

Engineering Science Elective (1 course)

1) _____

Hardware Design Elective (1 course)

1)_____

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.