

ADVISING WORKSHEET –ENGINEERING (CIVIL IIT)

2018-2019

Name _____ **ID #** _____

CORE CURRICULUM

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

ENGL 102 Composition II _____

MATH 130 _____

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 (MC) (1 course/3 hours)

Multicultural (MC) _____

***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.