

# INDUSTRIAL ENGINEERING TECHNOLOGY

## JCJC CURRICULUM SHEET

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The intent of the sample preprofessional program is designed for students who want to prepare for employment leading to supervisor, administrative, and other types of management positions in the production areas of industry or into Industrial Distribution, the jobber or wholesale level of sale, distribution and/or installation of industrial products and equipment.

Successful completion of the four-year curriculum will provide an excellent background in science, mathematics, design, and human relations, together with a degree of skill in the use of machines and tools, and a knowledge of industrial processes and materials. The graduate should rapidly become proficient in the various aspects of manufacture, sale, and distribution of industrial products.

### FRESHMAN YEAR

#### ENGLISH COMPOSITION (6 HRS)

ENG 1113 English Comp. I 3  
ENG 1123 English Comp. II 3

#### HISTORY (6 HRS)

HIS 1113 Western Civ. I 3  
HIS 1123 Western Civ. II 3

#### SOCIAL SCIENCE (6 HRS)

PSY 1513 General Psychology 3  
ECO 2113 Economics I 3

#### HEALTH (3 HRS) USM

HPR 1213 Health 3

#### COMPUTER SCIENCE 3-6 HRS)

CSC 1113 Computer Concepts 3  
CSC 1613 Computer Programming I 3

#### MATH (6 HRS)

MAT 1313 College Algebra 3  
MAT 1323 Trigonometry 3

#### PHYSICAL LAB SCIENCE (8 HRS)

CHE 1214 General Chemistry I 4  
CHE 1224 General Chemistry II 4

### SOPHOMORE YEAR

#### LITERATURE (3 HRS)

ENG 2413 World Literature 3

#### HUMANITIES/SOCIAL/BEHAVIORAL SCIENCES ELECTIVE (minimum of 3\* HRS)

*Select from Literature, Foreign Language, Political Science, Sociology, Economics, Business Statistics, Philosophy, or History* 3

#### SOCIAL SCIENCE (6 HRS)

PSC 1113 Am. Nat. Government 3  
SOC 2113 Intro. Sociology 3

#### FINE ARTS (3 HRS)

ART 1113 Art Appreciation **or**  
MUS 1113 Music Appreciation 3

#### PHYSICAL LAB SCIENCE (11 HRS)

PHY 2414 Physics I 4  
PHY 2424 Physics II 4  
GRA 1143 Graphic Communication 3

#### SPEECH (3 HRS)

SPT 1113 Speech 3

#### BUSINESS

BAD 2413 Legal Environment Bus. 3

*Electives to bring the total to 64 hrs. For JCJC graduation requirements. Math and Science courses may also be used to meet graduation requirements.*

**INDUSTRIAL ENGINEERING TECHNOLOGY -- NOTES:**

Students without an adequate high school math background, which includes a minimum of Algebra II, should enroll in a preparatory math course, such as Basic Math, Beginning Algebra or Intermediate Algebra, prior to College Algebra. Preparatory math courses will not transfer to other institutions.

Additionally, students should plan to complete no more than half of the hours required for a bachelor's degree prior to transferring to the senior institution. The student should consult the catalog of the senior institution for specific admissions procedures and other details concerning the program of study.

This CHECK SHEET should be used to keep a careful record of grades for each of the courses and should be presented to the student's advisor for planning the schedule of courses each semester at JCJC.