



INDUSTRIAL DESIGN – ASSOCIATE IN SCIENCE DEGREE SAMPLE SEQUENCE MAP

This form is designed to be used in partnership with academic counselors. Modifications may be necessary to meet your goals. Seek assistance from an academic counselor each semester to stay on track to completion of major/certificate. There are 3 General Education patterns available. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details

| 0 – 15 UNITS | | Pre- or co-reqs | Credit | GE |
|-----------------------|--|-----------------|-----------|-----|
| Semester 1 | Area IA: English Composition: <i>ENGL 122 – First-Year College Composition and Reading</i> | Placement | 3 | IA |
| | Area IC: Mathematics Comprehension | Placement | 3-5 | IC |
| | Area IV: Social and Behavioral Sciences: | | 3 | IV |
| | ARCHI 135 – Digital Tools for Design | | 3 | |
| | ART 102 – Introduction to Three-Dimensional Design and Sculpture | | 3 | |
| | Total | | 15 | |
| 16 – 30 UNITS | | Pre- or co-reqs | Credit | GE |
| Semester 2 | Area IB: Communications and Analytical Thinking | | 3 | IB |
| | ART 105 – DRAWING I | | 3 | |
| | ENGTC 119 – Introduction to Technical Drawing | | 3 | |
| | ENGTC 126 – Computer Aided Design and Drafting- AutoCAD | | 3 | |
| | Degree Applicable Elective | | 3 | |
| | Total | | 15 | |
| 31 – 45 UNITS | | Pre- or co-reqs | Credit | GE |
| Semester 3 | Area III : Arts and Humanities : | | 3 | III |
| | ENGTC 129 – Product Design I Using SolidWorks | | 3 | |
| | IDSGN 105 – Assembly and Fabrication Workshop | | 2 | |
| | IDSGN 120 – Introduction to Industrial and Product Design | | 3 | |
| | Major Applicable Elective: 3 units from IDSGN Catalog | See catalog | 3 | |
| | Degree Applicable Elective | | 1 | |
| Total | | 15 | | |
| 46 – 60 UNITS | | Pre- or co-reqs | Credit | GE |
| Semester 4 | Degree/Major Applicable Elective | | 9 | |
| | Area II: Natural Sciences | | 3 | II |
| | IDSGN 121 - Industrial and Product Design Foundations | IDSGN 120 | 3 | |
| | Total | | 15 | |
| Program total: | | | 60 | |

This sheet is intended as a tool for students that are exploring and/or testing out their major options. If you know what major you want to focus on, the classes you choose should be in line with your certificate/degree/transfer goals and you should choose your courses in consultation with a counselor.

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| <p>Recommended First Semester Math and Engineering "I am interested in math, designing and building."</p> |
| <p><i>Select 1 English Course</i></p> |
| <p>Suggested English Courses</p> <ul style="list-style-type: none"> • ENGL 122* - First-Year College Composition and Reading (Support Course ENGL 120) or • ENGL 122A* - First-Year College English for Multilingual Students (Support Course ENGL 120A) |
| <p><i>Select 1 Math Course</i></p> |
| <p>Suggested Math Courses</p> <ul style="list-style-type: none"> • Math 121 - Plane Trigonometry (Support Course MATH 021) or • Math 191* - Pre-Calculus or • Math 192* - Analytic Geometry and Calculus I |
| <p><i>Select 1 Meta-Major Course</i></p> |
| <p>Architecture</p> <ul style="list-style-type: none"> • ARCHI 120- Introduction to Architecture and Environmental Design • IDSGN 120 - Introduction to Industrial and Product Design |
| <p>Construction</p> <ul style="list-style-type: none"> • ELECT 110 - Survey of Electricity • ENSYS 120 - Introduction to Energy Systems |
| <p>Engineering</p> <ul style="list-style-type: none"> • COMSC 110 - Introduction to Programming • ENGIN 110 - Introduction to Engineering • ENGTC 160 - Introduction to Industrial and Manufacturing Engineering |
| <p>MATH</p> <ul style="list-style-type: none"> • COMSC 110 - Introduction to Programming <p>*IGETC approved course</p> |