

# ASSOCIATE in Science Track 2 General Engineering WORKSHEET 2016-2017

## Summary of Requirements

Complete a minimum of **90** credits in courses numbered 100 or above with a minimum of 2.0 GPA:

This degree is intended to prepare students to enter the second year of an Engineering Program after transfer. ENGR 104 is highly recommended for this specialization. In addition, the following set of courses fulfill the specialization requirement of the Associate of Science degree and is appropriate for students studying Mechanical, Civil, Aeronautical, Industrial or Material Science Engineering. Taking courses from the recommended electives will fulfill some of the second year requirements at 4-year transfer schools.

### General College Requirements

- 5 credits writing skills
- 10 credits quantitative skills

### Humanities and Social Science

- 5 credits social science
- 5 humanities
- 5 credits humanities or social science

### General Engineering Track II Specialization Courses

- 11 credits Chemistry
- 10 credits Math
- 15 credits Physics
- 24 credits Electives

#### Plus

- Fulfill all obligations to the college, financial or otherwise
- Fulfill general requirements for all degrees as described on [page 29](#) of the catalog

Minimum grade-point average requirements are established by each institution. Meeting the minimum requirement does not guarantee admission.

## General College Requirements (20 credits required)

### I. Writing Skills (5 credits)

	<b>CR</b>
___ ENGL& 101 English Composition I	5

### II. Quantitative Skills (10 credits)

___ MATH& 151 Calculus I	5
___ MATH& 152 Calculus II	5

Higher level math courses from the specialization course list can be substituted with advisor approval.

*\*Note: This worksheet is intended to be used for planning purposes. See Admissions and Records for official audit information.*

## Math & Science Specialization Courses

A total of thirty six (36) credits are required in Science and Math.

### Chemistry Requirements 11 Credits CR

___ CHEM&161 General Chemistry I	5
___ CHEM&162 General Chemistry II	6

### Math Requirements 10 Credits CR

___ MATH&163 Calculus III	5
___ MATH 241 Differential Equations	5

### Physics Requirements 15 Credits CR

___ PHYS&221 Engineering Physics I	5
___ PHYS&222 Engineering Physics II	5
___ PHYS&223 Engineering Physics III	5

## Humanities & Social Science

### Distribution Area Requirements (15 credits required)

Students must take at least 15 credits combined of humanities and social sciences, with at least 5 credits of social science and 5 credits in humanities to equal 15 credits. Use separate "Areas" for each class (preferred not required).

### Social Science (5-10 credits)

One 5credit course from areas labeled A through D is required.

#### Area A: History CR

___ HIST& 116 Western Civilization I	5
___ HIST& 117 Western Civilization II	5
___ HIST& 118 Western Civilization III	5
___ HIST 122 Hist. of Modern East Asia	5
___ HIST& 146 U.S. History I	5
___ HIST& 147 U.S. History II	5
___ HIST& 148 U.S. History III	5
___ HIST& 214 Pacific NW History	5
___ HIST& 219 Native American History	5
___ HIST 220 20 <sup>th</sup> Century Europe	5
___ HIST 252 Latin-American History	5
___ HIST 270 African-Americans in Slavery and Freedom	5
___ HIST 271 African-American History 1865-1975	5
___ HIST 272 History of England	5

#### Area B: Economics/Political Science CR

___ ECON 100 Intro. To Economics	5
___ ECON&201 Micro Economics	5
___ ECON&202 Macro Economics	5
___ POLS 102 Law and Society	5
___ POLS& 202 American Government	5

#### Area C: Anthropology/Sociology CR

___ ANTH&100 Intro. To Anthropology	5
___ SOC& 101 Intro. To Sociology	5
___ SOC 106 Juvenile Justice	5
___ SOC 112 Criminology	5
___ SOC 252 Marriage and Family	5

#### Area D: Psychology CR

___ PSYC&100 General Psychology	5
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### Courses transferred from other colleges

Area	Course	CR

## Humanities (5-10 credits)

One 5credit course from areas labeled A through G is required.

G

#### Area A: Visual Arts CR

___ ART&100 Art Appreciation	5
___ ART 101 Drawing I	5
___ ART 104 Design I	5
___ ART 105 Design II	5

#### Area B: Theatrical Arts CR

___ DRMA&101 Intro. To Theater	5
___ FILM 125 Film Interpretation	5
___ THEA 161 Intro. To Acting	4
___ THEA 163 Intro. To Directing	3

#### Area C: Musical Arts CR

___ MUSIC 100 Music Fundamentals	5
___ MUSC&105 Music Appreciation	5
___ MUSC&121 Ear Training I	2
___ MUSC&131 Music Theory I	3

#### Area D: Literary Arts CR

___ ENGL 208 Survey of British Lit. I	5
___ ENGL 209 Survey of British Lit. II	5
___ ENGL&220 Shakespeare	5
___ ENGL 233 Survey of Childrens Lit.	5
___ ENGL&244 Intro. To American Lit.	5
___ ENGL 252 Survey of World Lit.	5
___ ENGL 275 Gender in Literature	5

#### Area E: Languages CR

___ CHIN& 121 Chinese I	5
___ FRCH&121-123 French I, II, III	5
___ GERM&121-122 German I, II, III	5
___ ITAL 125 Italian I	5
___ JAPN&121-123 Japanese I, II, III	5
___ LATIN 125 Latin I	5
___ POL 125 Polish I	5
___ RUSS 125 Russian I	5
___ SPAN&121-123 Spanish I, II, III	5

#### Area F: Speech CR

___ SPCH 101 Fundamentals Of Speech	5
___ SPCH 201 Fund. Of Group Speech	3

#### Area G: Culture and Ideas CR

___ LING 101 Intro. World Lang.	5
___ PHIL&101 Intro. To Philosophy	5

### Courses transferred from other colleges

Area	Course	CR

