## Summary of Requirements

Complete a minimum of $\underline{\mathbf{9 0}}$ 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)

___ENGL\& 101 English Composition I

## II. Quantitative Skills (10 credits)

| $\ldots$ MATH\& 151 | Calculus I | 5 |
| :--- | :--- | :--- |
| $\ldots$ 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
_CHEM\&161 General Chemistry I

## _CHEM\&162 General Chemistry II

Math Requirements 10 Credits
$\qquad$ MATH\&163 Calculus II
MATH 241 Differential Equations
Physics Requirements 15 Credits
__PHYS\&221 Engineering Physics I 5
_PHYS\&222 Engineering Physics II
_PHYS\&223 Engineering Physics III

## 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 |  |
| HIST 122 | Hist. of Modern East Asia | 5 |
| HIST\& 146 | U.S. History I |  |
| HIST\& 147 | U.S. History II |  |
| HIST\& 148 | U.S. History III |  |
| HIST\& 214 | Pacific NW History |  |
| HIST\& 219 | Native American History |  |
| HIST 220 | $20^{\text {th }}$ Century Europe |  |
| HIST 252 | Latin-American History | 5 |
| HIST 270 | African-Americans in Slavery and Freedom |  |
| HIST 271 | African-American History 1865-1975 |  |
| HIST 272 | History of England |  |
| Area B: Econom | ics/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: Anthro | pology/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 |

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 |  |  |
| :--- | :--- | :---: |
| _ART\&100 | Art Appreciation |  |
| __ART 101 | Drawing I |  |
| __ART 104 | Design I |  |
| __ART 105 | Design II |  |

CR

Area B: Theatrical Arts CR

| $\quad$ DRMA\&101 | Intro. To Theater |
| :--- | :--- |
| __FILM 125 | Film Interpretation |
| __THEA 161 | Intro. To Acting |
| __THEA 163 | Intro. To Directing |

## Area C: Musical Arts

| __MUSIC 100 | Music Fundamentals |
| :--- | :--- |
| __MUSC\&105 | Music Appreciation |
| __MUSC\&121 | Ear Training I |
| MUSC\&131 | Music Theory I |


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


| 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

| $\ldots$ | Intro. World Lang. | 5 |
| :--- | :--- | ---: |
| $\ldots$ | PHIL\&101 | Intro. To Philosophy |

Courses transferred from other colleges

| Area | Course | CR |
| :--- | :--- | ---: |
|  |  |  |
|  |  |  |

## College Level Elective Courses Select at least 24 additional credits of Electives.

Select remaining college level courses to reach a total of 90 credits. Select no more than 5 credits in this category that do not appear on the distribution requirements list or the specified electives on this worksheet. Pre-requisites may be used as electives.

Electives: The following courses are recommended as possible elective courses:
ENGR\& 104, 214, 215; Math 220, 224; ENGR 240; ENGL\& 235.


## Specified Electives

Specified electives represent specialized or advanced college-level transfer courses.

| ACCT\&201 | Principles of Acct. I |
| :---: | :---: |
| ACCT\&202 | Principles of Acct. II |
| ACCT\&203 | Principles of Acct. III |
| ART 102 | Drawing II |
| ART 103 | Drawing III |
| ART 251 | Painting I |
| ART 252 | Painting II |
| ART 260 | Intro. To Printmaking |
| ASTRO\&100 | Astronomy |
| BUS\&101 | Intro. To Business |
| BUS\&201 | Business Law |
| BIOL\&100 | Intro. To Biology |
| BIOL 109 | Plants of W. Washington |
| BIOL\& 175 | Human Biology |
| BIOL 140 | Ecology |
| BIOL\&160 | General Biology |
| BIOL\&211 | Biological Science I |
| BIOL\&212 | Biological Science II |
| BIOL\&213 | Biological Science III |
| BIOL\&241 | Human Anat. /Phys. I |
| BIOL\&242 | Human Anat. /Phys. II |
| BIOL\&260 | Microbiology |
| CHEM\&110 | Chemical Concepts |
| CHEM\&121 | Intro. To Chemistry |
| CHEM\&131 | Intro. To Organic And Biochemistry |
| CHEM\&163 | Gen. Chem. w/Lab III |
| CHEM\&261 | Org. Chem. w/Lab I |
| CHEM\&262 | Org. Chem. w/Lab II |
| CHEM\&263 | Org. Chem. w/Lab III |
| CHIN\&122 | Chinese II |
| CHIN\&123 | Chinese III |
| CJ\&101 | Intro. To Crim. Justice |
| CJUS 151 | Drugs \& Our Society |
| EARTH102 | Earth Science |
| EDUC 201 | Intro. To Teaching |
| EDUC 202 | Education Practicum |
| ENGL\&235 | Technical Writing |
| ENGL 241 | Fiction Writing I |
| ENGL 242 | Poetry Writing I |
| ENGL 243 | Playwriting I |
| ENGL 281 | Fiction Writing II |
| ENGL 282 | Poetry Writing II |
| ENGL 283 | Playwriting II |
| ENGR\&104 | Intro. To Engr. Design |
| ENGR\&214 | Statistics |
| ENGR\&215 | Dynamics |
| ENGR 240 | Applied Num. Methods |
| ENVS\&100 | Environmental Science |
| GEOL\&101 | Physical Geology |
| GEOL 107 | Intro. to Weather |
| ITAL 126 | Italian II |
| ITAL 127 | Italian III |
| LATIN 126 | Latin II |
| LATIN 127 | Latin III |
| LIB 101 | Intro. Info. Resource |
| MATH\&107 | Math in Society |
| MATH 111 | Intro. To Finite Math |
| MATH\&131 | Math for Elem. Ed. I |
| MATH\&132 | Math for Elem. Ed. II |
| MATH\&141 | Pre-calculus I |
| MATH\&142 | Pre-calculus II |
| MATH\&146 | Intro. To Statistics |
| MATH\&148 | Business Calculus |
| MATH 220 | LinearAlgebra |
| MATH 264 | Calculus 4 |


| MUSIC 117 | Beginning Piano I | 1 |
| :---: | :---: | :---: |
| MUSIC 118 | Beginning Piano II | 1 |
| MUSIC 119 | Beginning Piano III | 1 |
| MUSC\&122 | Ear Training II | 2 |
| MUSC\&123 | Ear Training III | 2 |
| MUSC\&132 | Music Theory II | 3 |
| MUSC\&133 | Music Theory III | 3 |
| MUSIC150- | Applied Music | 1 |
| 158 | (Private Lessons) |  |
| MUSIC161- | Performance Groups | 1-2 |
| 168 |  |  |
| MUSIC 217 | Intermediate Piano I | 1 |
| MUSIC 218 | Intermediate Piano II | 1 |
| MUSIC 219 | Intermediate Piano III | 1 |
| MUSC\&221 | Ear Training 4 | 2 |
| MUSC\&222 | Ear Training 5 | 2 |
| MUSC\&223 | Ear Training 6 | 2 |
| MUSIC 231 | Intermediate Harmony | 3 |
| MUSIC 232 | Advanced Harmony I | 3 |
| MUSIC 233 | Advanced Harmony II | 3 |
| MUSIC 250- | Advanced Applied |  |
| 258 | Music ( private lessons) | 2 |
| _MUSIC 261- | Performance Groups | 1-2 |
| NUTR\&101 | Nutrition | 5 |
| PHYS\&114 | General Physics I | 5 |
| PHYS\&115 | General Physics II | 5 |
| PHYS\&116 | General Physics IIII | 5 |
| POL 126 | Polish II | 5 |
| POL 127 | Polish III | 5 |
| POLS 110 | Law and Justice | 5 |
| POLS 200 | Foreign Policy of U.S. | 5 |
| POLS 204 | Intro. To Public Admin. | 5 |
| PSYC\&180 | Human Sexuality | 5 |
| PSYC\&200 | Lifespan Psychology | 5 |
| PSYCH 210 | Psychology of Adjust. | 5 |
| PSYC\&220 | Abnormal Psychology | 5 |
| PSYCH 250 | Social Psychology | 5 |
| PSYCH 235 | Positive Psychology | 5 |
| RUSS 126 | Russian II | 5 |
| RUSS 127 | Russian III | 5 |
| SOC\&201 | Social Problems | 5 |
| THEA 151 | Theatre Workshop | 1-3 |
| THEA 235 | Stagecraft | 4 |
| THEA 236 | Stage Lighting | 4 |
| THEA 270 | Stage Makeup | 3 | electives.


| Courses transferred from other colleges |  |  |
| :--- | :--- | :--- |
| Area | Course | CR |
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