

Herff College of Engineering
General Education Requirements
for Engineering Programs

A. **Communication (9 hrs.)**

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|-----------|-------------------|
| ENGL 1010 | English Comp I |
| ENGL 1020 | English Comp II |
| ENGL 3603 | Engineering Comm. |

B. **Mathematics (15 hrs.)**

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|-----------|------------------------|
| MATH 1910 | Calculus I |
| MATH 1920 | Calculus II |
| MATH 2110 | Calculus III* |
| MATH 2120 | Differential Equations |

*except CPEN

C. **Humanities (9 hrs.)**

ENGL 2201 (Lit. Heritage) or 2202 (Afr. Amer. Lit.)

Plus any two of the following:

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|---------------|------------------------------|
| ART 1030/1035 | Intro to Art |
| ARTH 2010 | World Art I |
| ARTH 2020 | World Art II |
| CLAS 2481 | Mythology |
| COMM 1851 | Intro to Film |
| DANC 1151 | Intro to Dance |
| JDST 2850 | Religions of Abraham |
| MUS 1030 | Music Appreciation |
| MUS 1040 | Music in America |
| PHIL 1101 | Intro to Philosophy |
| PHIL 1102 | Intro to Ethics |
| POLS 1101 | Ancient Pol. Thought |
| POLS 1102 | Modern Pol. Thought |
| RLGN 1100 | Intro to Religion |
| THEA 1030 | Intro to Theatre |
| UNIV 3580 | Hebrew/Greek Legacy |
| UNIV 3581 | Faith, Reason, & Imagination |

D. **American History (6 hrs.)**

One year of America History in High School

OR BOTH of the following:

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|-----------|-------------------|
| HIST 2010 | The US to 1877 |
| HIST 2020 | The US since 1877 |

E. **Social & Behavioral Sciences (6 hrs.)**

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|-----------|---------------------------------------|
| ANTH 1100 | Biol. Anth. & Prehistory |
| ANTH 1200 | Cultural Anthropology |
| CDFS 2101 | Family/Global Perspective |
| ECON 2010 | Macroeconomics |
| ECON 2020 | Microeconomics |
| ESCI 1301 | Survey of World Regions |
| ESCI 1401 | Intro to Cultural Geography |
| FIR 1220 | Personal Finance |
| HLSC 2100 | Wellness Concepts Practice |
| INTL 1101 | Intro International & Global Studies |
| JRSM 1700 | Intro to Media |
| POLS 1030 | American Government |
| POLS 1301 | Intro to Comparative Politics |
| POLS 1501 | International Relations |
| PSYC 1030 | General Psychology |
| PSYC 3510 | Deviance: Its Role in History/Culture |
| PUBH 2181 | Population Health and Society |
| SOCI 1010 | Intro to Sociology |
| SOCI 2100 | Soci. of Globalization |
| WMST 2100 | Women's Studies |

F. **Natural Sciences**

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|----------------|--------------------------|
| PHYS 2110/2111 | Phys I & Lab Sci/Engr |
| PHYS 2120/2121 | Phys II & Lab Sci/Engr** |

** CIVL will have a choice

Plus one in each category for CIVIL:

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|----------------|----------------------------|
| ESCI 1040 | Physical Geology (or) |
| ESCI 1103 | Environmental Geology (or) |
| BIOL 1110/1111 | General Biology I & Lab |

AND

| | |
|----------------|-----------------------------|
| PHYS 2120/2121 | Phys II & Lab Sci/Engr (or) |
| CHEM 1120/1121 | General Chem II & lab (or) |
| BIOL 1120/1121 | General Biology II & lab |

Plus one of the following for EECE/CPEN:

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|----------------|---------------------------|
| CHEM 1110/1111 | General Chem I & lab (or) |
| PHYS 1020/1002 | Astronomy & Lab (or) |
| ESCI 1040 | Physical Geology |

Plus the following for MECH:

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|----------------|----------------------|
| CHEM 1110/1111 | General Chem I & Lab |
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AND

| | |
|--------------------------|------------------------------|
| CHEM 1120/1121 | General Chem II & Lab (or) |
| BIOL 1110/1111 | General Biology I & Lab (or) |
| ESCI 1020, 1040, or 1050 | |

Plus ALL of the following for BIOM:

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|----------------|----------------------------------|
| CHEM 1120/1121 | General Chem II & Lab |
| BIOL 1110/1111 | General Biology I & Lab |
| BIOL 1120/2011 | General Biology II & Anatomy Lab |

