# Undergraduate Engineering Degree Plan

**Student Name:**

**Student ID:**

**Advisor:**

**Date:**

**Term:**

<table>
<thead>
<tr>
<th>Course ID &amp; Title</th>
<th>CU Denver Credits</th>
<th>Transfer Credits</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intellectual Competencies</strong> – Competency is satisfied by a letter grade of C- or higher. Complete all of the following.</td>
<td></td>
<td></td>
<td>6 Credits</td>
</tr>
<tr>
<td>ENGL 1020 – Core Composition I</td>
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<tr>
<td>ENGL 2030 – Core Composition II</td>
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<tr>
<td><strong>Math Requirements</strong> – Complete the following courses as determined by your intended major with a C- or higher.</td>
<td></td>
<td></td>
<td>12-19 Credits</td>
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<tr>
<td>MATH 1401 – Calculus I*</td>
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<tr>
<td>MATH 2411 – Calculus II*</td>
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<tr>
<td>MATH 2421 – Calculus III (Not required for CSCI Majors)</td>
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<tr>
<td>MATH 3195 – Linear Algebra/ Differential Equations</td>
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<tr>
<td>MATH 3800 – Prob &amp; Stats (CVEN only)</td>
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<tr>
<td><strong>Biological &amp; Physical Sciences</strong> – Complete the following courses as determined by your intended major with a C- or higher.</td>
<td></td>
<td></td>
<td>10-15 Credits</td>
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<tr>
<td>PHYS 2311 – General Physics I*</td>
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<tr>
<td>PHYS 2321 – General Physics I Lab*</td>
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<tr>
<td>PHYS 2331 – General Physics II</td>
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<tr>
<td>PHYS 2341 – General Physics II Lab (Not required for CVEN or ELEC Majors)</td>
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<tr>
<td>ENGR 1130 * – Engineering General Chemistry (Not required for CSCI Majors)</td>
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<tr>
<td><strong>Arts</strong> – Complete one course from the selection on the back of this sheet.</td>
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<td></td>
<td>3 Credits</td>
</tr>
<tr>
<td><strong>Behavioral Sciences</strong> – Complete one course from the selection on the back of this sheet.</td>
<td></td>
<td></td>
<td>3-4 Credits</td>
</tr>
<tr>
<td><strong>Social Sciences</strong> – Complete one course from the selection on the back of this sheet.</td>
<td></td>
<td></td>
<td>3 Credits</td>
</tr>
<tr>
<td><strong>Humanities</strong> – Complete one course from the selection on the back of this sheet.</td>
<td></td>
<td></td>
<td>3 Credits</td>
</tr>
<tr>
<td><strong>International Perspectives</strong> – Complete one course from the selection on the back of this sheet.</td>
<td></td>
<td></td>
<td>3 Credits</td>
</tr>
<tr>
<td><strong>Cultural Diversity</strong> – Complete one course from the selection on the back of this sheet.</td>
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<td></td>
<td>3 Credits</td>
</tr>
<tr>
<td><strong>Additional Coursework</strong> – This coursework is not applicable to the General Education Core curriculum or Engineering major requirements.</td>
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</tbody>
</table>

**Recommended Courses**

<table>
<thead>
<tr>
<th>Course ID &amp; Title</th>
<th>Hours</th>
<th>Term</th>
<th>Course ID &amp; Title</th>
<th>Hours</th>
<th>Term</th>
</tr>
</thead>
</table>

*These courses must be completed with an average GPA of 2.5 or higher and within the first 45 credit hours at CU Denver. A cumulative GPA of 2.75 is also required for admission into the College of Engineering and Applied Science. I understand and accept the requirements for admission.

Updated 1/8/18

Student Signature

Date
### UNDERGRADUATE ENGINEERING DEGREE PLAN

#### INTELLECTUAL COMPETENCIES 6 Credits

Competency is satisfied by a letter grade of C- or higher.

Complete all of the following:

- **ENGL** 1020 Core Composition I
- **ENGL** 2030 Core Composition II

#### MATHEMATICS 12-19 Credits

Competency is satisfied by a letter grade of C- or higher.

Complete the following courses as determined by your intended major:

- **MATH** 1401 Calculus I (4 credits)
- **MATH** 2411 Calculus II (4 credits)
- **MATH** 2421 Calculus III (4 credits)
  
  *(Not required for CSCI majors)*

- **MATH** 3195 Linear Algebra/Differential Equations (4 credits)

- **MATH** 3800 Probability & Statistics (3 credits)
  
  *(Only required for CVEN majors)*

#### SCIENCE 10-15 Credits (varies by major)

Competency is satisfied by a letter grade of C- or higher.

Complete the following courses:

- **PHYS** 2311 General Physics I (4 credits)
- **PHYS** 2321 General Physics I Lab (1 credit)
- **PHYS** 2331 General Physics II (4 credits)
- **PHYS** 2341 General Physics II Lab (1 credit)
  
  *(Not required for CVEN or ELEC majors)*

- **ENGR** 1130 Engineering General Chemistry (5 credits)
  
  *(Not required for CSCI majors). *CHEM 2031 + CHEM 2061 can be taken in lieu of ENGR 1130*

#### ARTS 3 Credits

Choose one course from the following:

- **ENGL** 2156 Introduction to Creative Writing
- **FINE** 1000 Fostering Creativity
- **FINE** 1001 Introduction to Art
- **FINE** 1450 Visual Culture: Ways of Seeing
- **FITV** 1115 Horror in Western Culture and Cinema
- **PMUS** 1001 Music Appreciation

#### BEHAVIORAL SCIENCES 3-4 Credits

Choose one course from the following:

- **ANTH** 1302 Introduction to Archaeology (4 credits)
- **ANTH** 2102 Culture and the Human Experience
- **COMM** 1011 Fundamentals of Communication
- **COMM** 1021 Introduction to Media Studies
- **HDFR** 2080 Sex, Human Development and Family Systems
- **LING** 2000 Foundations of Linguistics
- **PSYC** 1000 Introduction to Psychology I
- **PSYC** 1005 Introduction to Psychology II
- **PSYS** 2200 Child and Adolescent Mental Health

#### SOCIAL SCIENCES 3 Credits

Choose one course from the following:

- **CRJU** 1000 Criminology and Criminal Justice: An Overview
- **ECON** 2012 Principles of Economics: Macroeconomics
- **ECON** 2022 Principles of Economics: Microeconomics
- **EDFN** 1000 Equality, Rights, and Education
- **ENVS** 1342 Environment, Society, and Sustainability
- **ETST** 2000 Introduction to Public Studies
- **GEOG** 1102 World Religions Global Context
- **GEOG** 1602 Urban Studies and Planning
- **GEOG** 2202 Hazards to Disasters: Perception and Management
- **HDFR** 2200 Love, Family, and Human Development
- **INTE** 2500 Digital Media and Learning
- **PBHL** 1001 Race, Gender, Class, and Health
- **PBHL** 2001 Introduction to Public Health
- **PSCI** 1001 Introduction to Political Science
- **PSCI** 1101 American Political System
- **PAUD** 1001 Intro to Leadership and Public Service
- **SIUS** 2000 Foundations of Social Justice
- **SOCI** 1001 Introduction to Sociology
- **SOCI** 2462 Introduction to Social Psychology

#### HUMANITIES 3 Credits

Choose one course from the following:

- **CHIN** 1000 China and the Chinese
- **ENGL** 1601 Telling Tales: Narrative Art in Literature and Film
- **ENGL** 2600 Great Works in British and American Literature
- **ETST** 2155 African American History
- **FINE** 2600 Art History Survey I
- **FINE** 2610 Art History Survey II
- **FREN** 1000 Introduction to Cultures of the French-Speaking World
- **FREN** 2003 French Language III
- **FREN** 2004 French Language IV: Intro to Advanced Studies
- **GRMN** 1000 Germany and the Germans
- **HIST** 1361 U.S. History to 1876
- **HIST** 1362 U.S. History since 1876
- **HIST** 1381 Paths to the Present
- **HIST** 1400 Controversies in History
- **LCTR** 2000 Children’s and Adolescent Lit. in the 21st Century
- **PHIL** 1012 Intro to Philosophy: Relationship of Individual to World
- **PHIL** 1020 Introduction to Ethical Reasoning
- **PHIL** 2441 Logic, Language, and Scientific Reasoning
- **RLST** 1610 Introduction to Religious Studies
- **RLST** 2660 World Religions
- **SPAN** 1000 Introduction to Cultures of the Spanish-Speaking World

#### INTERNATIONAL PERSPECTIVES 3 Credits

Choose one course from the following:

- **ANTH** 3000 Globalization, Migration, and Transnationalism
- **CDLE** 1000 Language, Identity and Power: International Perspectives
- **ENGL** 3798 International Perspectives in Literature and Film
- **ENGR** 3600 International Dimensions of Technology and Culture
- **ETST** 3110 Indigenous Studies
- **ETST** 3272 Global Media
- **FITV** 1120 Contemporary World Cinema
- **FREN** 3200 Francophone World in Post-Colonial Era
- **GRMN** 3200 Current German Society and Culture
- **HDFR** 1000 Global Human Development and Learning
- **HDFR** 3250 Families in Global Perspective
- **HIST** 3121 The World at War, 1914-1945
- **HIST** 4032 Globalization in World History Since 1945
- **INTB** 3000 Global Perspectives
- **INTS** 2020 Foundations of International Studies
- **PBHL** 2052 Global Demography and Health
- **PHIL** 3410 Asian Philosophies and Religions
- **PSCI** 3022 Introduction to Comparative Politics
- **PSCI** 3042 Introduction to International Relations
- **RLST** 3410 Asian Philosophies and Religions
- **RLST** 3120 Islamic Traditions
- **SOCI** 3720 Global Perspectives on Social Issues

#### CULTURAL DIVERSITY 3 Credits

Choose one course from the following:

- **ANTH** 3142 Cultural Diversity in the Modern World
- **COMM** 3271 Communication and Diversity
- **ECON** 3100 Economics of Race and Gender
- **EDFN** 3000 Undocumented Mexican Immigration
- **EDFN** 4000 Food Justice in the City and Schools
- **ENGL** 3795 Race and Ethnicity in American Literature
- **ENGR** 3400 Technology and Culture
- **ETST** 3036 American Indian Cultural Images
- **ETST** 3704 Culture, Racism, and Alienation
- **ETST** 3794 Ethnicity and Race in Contemporary American Culture
- **HDFR** 3020 Black and Latino Children in Families and Schools
- **HIST** 3345 Immigration and Ethnicity in U.S. History
- **HIST** 3349 Social Movements in 20th Century America
- **LING** 3100 Language in Society
- **MGMT** 4100 Leveraging Diversity and Inclusion in Business
- **PHIL** 3500 Ideology and Culture
- **PMUS** 3100 U.S. Music: Social and Political Impact
- **PSCI** 3034 Race, Gender, Law, and Public Policy
- **PSCI** 3035 Political Movement: Race and Gender
- **PSYC** 4485 Psychology of Cultural Diversity
- **RLST** 4000 Religion and Cultural Diversity
- **SOCI** 3020 Race and Ethnicity in the U.S.
- **WGST** 3020 Gender, Sexuality & Race in American Pop Culture

*Updated 1/8/18*