

Transfer Pathway
Associate of Engineering in Electrical Engineering
College of Southern Idaho

| Course # | Course Name | UofI Equivalent | Cr |
|---|-------------------------|-----------------|----|
| 1. General Education Requirements | | | |
| A. Written Communication (6 credits) | | | |
| ENGL 101 | Writing and Rhetoric I | ENGL 101 | 3 |
| ENGL 102 | Writing and Rhetoric II | ENGL 102 | 3 |

| B. Oral Communication (3 credits) | | | |
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| C. Mathematical Way of Knowing (3-4 credits) | | | |
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| MATH 170 | Calculus I | MATH 170 | 5 |

| D. Scientific Way of Knowing (7-8 credits)** | | | |
|---|----------------------------------|-----------------|---|
| CHEM 111 | General Chemistry I | CHEM 111 & 111L | 5 |
| PHYS 211 | Physics Scientists & Engineers I | PHYS 211 & 211L | 5 |

| E. Humanistic Way of Knowing (6 credits)** | | | |
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| PHIL 103 | Introduction to Ethics | PHIL 103 | 3 |
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| F. Social and Behavioral Way of Knowing (6 credits)** | | | |
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| ECON 201 | Principles of Macroeconomics | ECON 201 | 3 |
| | or ECON 202 Principles of Microeconomics | ECON 202 | |
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| G. Institutionally Designated Courses (5 credits) | | | |
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| 2. Degree Requirements | | | |
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| ENGI 120 | Intro to Engineering | ENGR 000 | 2 |
| MATH 175 | Calculus 2 | MATH 175 | 4 |
| MATH 230 | Intro to Linear Algebra | MATH 330 | 3 |
| MATH 310 | Ordinary Differential Equation | MATH 310 (LWDV) | 3 |
| Program Electives | | | |
| COMS 229 | CS & Programming I | CS 120 | 3 |
| COMS 250 | CS & Programming II | CS 121 | 3 |
| ENGI 210 | Mechanics Statics | ENGR 210 | 3 |
| ENGI 220 | Mechanics Dynamics | ENGR 220 | 3 |
| ENGI 240 | Electrical Circuits | ECE 210 & 211 | 4 |
| ENGL 202 | Technical Communication | ENGL 317 | 3 |
| PHYS 212 | Physics Scientists & Engineers 2 | PHYS 212 & 212L | 5 |
| ENGI 105* | CAD Engineering Graphics | ENGR 105 | 2 |
| MATH 275* | Calculus 3 | MATH 275 | 4 |

Minimum Total Credits 63

Planning Notes

1. This document does not substitute for meeting with your advisor. See the current College of Southern Idaho catalog for complete degree requirements.
 2. Transfer to the University of Idaho with an Associate from the College of Southern Idaho through the Articulation Agreement.
 3. University of Idaho Transfer Policies and Course Equivalencies can be found at <https://www.uidaho.edu/registrar/transfer>.
 4. Work with a College of Southern Idaho advisor to ensure proper course sequencing for the Associate degree.
 5. Apply for admission to University of Idaho at <https://www.uidaho.edu/admissions/apply>.
 6. Submit official transcripts to University of Idaho. Submit a final official transcript once your degree is posted.
 7. A full listing of applicable courses as well as guidelines for completion of the Associate is available at <https://csi.smartcatalogiq.com/en/2021-2022/Catalog>
- *Recommended courses
 **Credits must be earned from two different disciplines

Transfer Pathway
B.S.E.E. Electrical Engineering
University of Idaho

| Course # | Course Name | Cr |
|----------|--|----|
| ECE 101 | Foundations of Electrical and Computer Engineering | 2 |
| ECE 212 | Electrical Circuits II | 3 |
| ECE 213 | Electrical Circuits II Lab | 1 |
| ECE 240 | Digital Logic | 3 |
| ECE 241 | Logic Circuit Lab | 1 |
| ECE 292 | Sophomore Seminar | 0 |
| ECE 310 | Microelectronics I | 3 |
| ECE 311 | Microelectronics I Lab | 1 |
| ECE 320 | Energy Systems I | 3 |
| ECE 321 | Energy Systems I Laboratory | 1 |
| ECE 330 | Electromagnetic Theory | 3 |
| ECE 331 | Electromagnetics Laboratory | 1 |
| ECE 340 | Microcontrollers | 3 |
| ECE 341 | Microcontrollers Lab | 1 |
| ECE 350 | Signals and Systems I | 3 |
| ECE 351 | Signals and Systems I Lab | 1 |
| ECE 480 | EE Senior Design I | 3 |
| ECE 481 | EE Senior Design II | 3 |
| ECE 491 | Senior Seminar | 0 |
| ENGR 360 | Engineering Economy | 2 |
| STAT 301 | Probability and Statistics | 3 |

Planning Notes

1. This document does not substitute for meeting with your advisor. See the current University of Idaho catalog for complete degree requirements at: <https://catalog.uidaho.edu/>
2. Presenting this document to your academic advisor can allow you to be moved to the 2021-2022 University of Idaho catalog.
3. To graduate with this degree, the department requires a institutional GPA of at least 2.0 in all courses completed at the University of Idaho.
4. A minimum of 120 credits is required.
5. Review the Degree Audit regularly to check your status of completion of major &/or minor.
6. A full listing of applicable courses as well as guidelines for completion of the Bachelor degree is available at <https://catalog.uidaho.edu>

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| Upper-division Engineering Science | 3 |
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| Technical Elective (Upper-division) | 18 |
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Minimum Total Credits 128