

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

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

<b>B. Oral Communication (3 credits)</b>			

<b>C. Mathematical Way of Knowing (3-4 credits)</b>			
MATH 170	Calculus I	MATH 170	5

<b>D. Scientific Way of Knowing (7-8 credits)**</b>			
CHEM 111	General Chemistry I	CHEM 111 & 111L	5
PHYS 211	Phsics Scientists & Engineers I	PHYS 211 & 211L	5

<b>E. Humanistic Way of Knowing (6 credits)**</b>			
PHIL 202	Ethics	PHIL 103	3

<b>F. Social and Behavioral Way of Knowing (6 credits)**</b>			
ECON 201	Principles of Macroeconomics	ECON 201	3
or ECON 202	Principles of Microeconomics	ECON 202	

<b>G. Institutionally Designated Courses (5 credits)</b>			

<b>2. Degree Requirements</b>			
COMS 229	CS & Programming I	CS 120	3
COMS 229L	CS & Programming I Lab	CS 120L	0
COMS 250	CS & Programming II	CS 121	3
or COMS 260	Computer Organization & Architecture	CS 150	3
ENGI 105	CAD Engineering Graphics	ENGR 105	2
ENGI 120	Intro to Engineering	ENGR 000	2
ENGI 210	Mechanics Statics	ENGR 210	3
ENGI 220	Mechanics Dynamics	ENGR 220	3
ENGI 240	Electrical Circuits	ECE 210 & 211	4
MATH 175	Calculus 2	MATH 175	4
MATH 275	Calculus 3	MATH 275	4
MATH 230	Intro to Linear Algebra	MATH 330	3
MATH 310	Ordinary Differential Equation	MATH 310 (LWDV)	3
PHYS 212	Physics Scientists & Engineers 2	PHYS 212 & 212L	5

**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.

\*A full listing of applicable courses as well as guidelines for completion of the Associate is available at <http://csi.smartcatalogiq.com/2019-2020/Catalog>

\*\*Credits must be earned from two different ...

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
ENGL 317	Technical Writing	3
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 2019-2020 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 and/or minor.
- \*A full listing of applicable courses as well as guidelines for completion of the Bachelor degree is available at <https://catalog.uidaho.edu>

Upper-division Engineering Science	3

Technical Elective (Upper-division)	18

**Minimum Total Credits 128**