

# Spokane Community College and Spokane Falls Community College

## ASSOCIATE IN SCIENCE TRANSFER (TRACK 2)

### COMPUTER AND ELECTRICAL ENGINEERING

### DEGREE REQUIREMENTS

**Requirements for completion of an Associate in Science Transfer (AS-T 2) degree in Computer and Electrical Engineering:**

- Cumulative grade point average (GPA) of 2.0 or higher
- Complete 100 quarter credits in courses numbered 100 or above, as follows:

Communication (5 credits)  
Humanities/Social Sciences (15 credits)  
Mathematics (30 credits)

Science/Engineering (35 credits)  
Engineering Electives (15 credits)

- **5 credits must be W (writing-intensive)**
- Earn at least 30 credits at SCC/SFCC (at least 15 credits earned at the degree-awarding college)

*\*This degree does not fulfill all general education requirements of four-year institutions.*

## DISTRIBUTION Credits for a specific course may be used in only one distribution area.

**2019-2020**

### COMMUNICATION 5 credits

- 5 credits composition (these courses do not satisfy the writing-intensive requirement)

ENGL& 101, 102

### HUMANITIES/SOCIAL SCIENCES 15 credits

- 5 credits from Group A
- 5 credits from Group B
- 5 additional credits from Group A or Group B
- No more than 5 credits in foreign language or ASL
- A course in Economics is recommended

#### GROUP A: HUMANITIES

ART 108, 109, 110, 112; ART& 100  
CMST 226, 227  
DRMA& 101  
ENGL 208, 209, 241, 247, 248, 249, 259, 261, 271, 272, 278; ENGL& 111, 112, 113, 114, 220  
FILM 141, 221, 222, 224, 225, 236  
Foreign Language **OR** ASL – 5 credits only  
HUM 107, 201; HUM& 101  
JOURN 110  
MUSC 106, 108, 109, 124; MUSC& 105, 141, 142, 143, 241, 242, 243  
PHIL 110, 209, 215, 220, 231; PHIL& 101, 115, 120

#### GROUP B: SOCIAL SCIENCES

ANTH& 100, 204, 206, 210  
ECON 100; ECON& 201, 202  
GEOG 101, 230, 260  
HIST 105, 106, 107, 230, 240; HIST& 116, 117, 118, 136, 137, 214, 219  
POLS 102, 125, 204, 205; POLS& 101, 202, 203  
PSYC 204, 250; PSYC& 100, 180, 200, 220  
SOC 204, 211, 221, 230, 261; SOC& 101, 201

### MATHEMATICS 30 credits

- 30 credits from the list below

MATH 220, 274; MATH& 151, 152, 153, 254

### SCIENCE/ENGINEERING 35 credits

- 15 credits from Group A
- 5 credits from Group B
- 5 credits from Group C (consult intended transfer university for computer language requirements)
- 10 credits from Group D

#### GROUP A: Physics (calculus based) (15cr sequence)

PHYS 201, 202, 203

#### GROUP B: Chemistry (5cr)

CHEM& 161

#### GROUP C: Computer Programming (5cr)

CS& 141 (SFCC only)  
**OR**  
CS 255 (SFCC only)

*GU requires CS& 141 for Electrical Engineering  
EWU requires CS 255 for Electrical Engineering*

#### GROUP D: Engineering (10cr)

ENGR 190, 210 (SFCC only)

### ENGINEERING ELECTIVES 15 credits

- 15 additional credits
- Plan electives as appropriate for intended major and intended transfer university in consultation with the engineering advisor.

BIOL& 222  
CS 142, 253 (SFCC only)  
CHEM 162  
ENGL& 235  
ENGR 110 and 111, 201, 202, 240 (SFCC only)

ALL STUDENTS – Meet regularly with your SCC/SFCC advisor or counselor.

TRANSFER STUDENTS – Transfer requirements vary based on major. Contact an advisor at your transfer university for additional requirements.

#### NOTES:

1. Students are responsible for checking specific major requirements of four-year institutions in the year prior to transferring.
2. It is recommended that sequential science classes be completed at one institution.
3. Students completing this Associate in Science Transfer (AS-T) degree will receive the same priority consideration for admission to the four-year institution as they would for completing the direct transfer associate's degree and will be given junior status by the receiving institution; this degree does not guarantee student's admission to the major.
4. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
5. This degree may not fulfill all general education requirements of a particular four-year institution. Students should work with the engineering advisor for further guidance specific to their goals.

# ASSOCIATE IN SCIENCE TRANSFER (TRACK 2) DEGREE COMPUTER AND ELECTRICAL ENGINEERING WORKSHEET 2019-2020

See reverse side for the complete statement of degree requirements and listing of available courses.  
Credits for a specific course may be used in only one distribution area.

Counselor Initials

Date

Student Identification Number

Name

**I. COMMUNICATION—5 credits**  
 • 5 credits composition (these courses do not satisfy the writing- intensive requirement)

Course	Date	Cr
ENGL& 101		
ENGL& 102		
<b>COMMUNICATION TOTAL</b>		

**II. HUMANITIES/SOCIAL SCIENCES —15 credits**  
 • 5 credits from Group A  
 • 5 credits from Group B  
 • 5 additional credits from Group A **OR** Group B  
 • No more than 5 credits in foreign language or ASL  
 • A course in Economics is recommended

**GROUP A: Humanities (minimum of 5cr)**

Course	Date	Cr
Art		
CMST 226, 227		
DRMA& 101		
English		
Film		
Foreign Language <b>OR</b> ASL		
Humanities		
JOURN 110		
Music		
Philosophy		

**GROUP B: Social Sciences (minimum of 5cr)**  
 A course in Economics is recommended

Course	Date	Cr
Anthropology		
Economics		
Geography		
History		
Political Science		
Psychology		
Sociology		
<b>HUMANITIES/SOCIAL SCIENCES TOTAL</b>		

**III. MATHEMATICS—30 credits**  
 • 30 credits from the list below

Course	Date	Cr
MATH& 151		
MATH& 152		
MATH& 153		
MATH 220		
MATH& 254		
MATH 274		
<b>MATHEMATICS TOTAL</b>		

**IV. SCIENCE/ENGINEERING —35 credits**  
 • 15 credits from Group A  
 • 5 credits from Group B  
 • 5 credits from Group C (consult intended transfer university for computer language requirements)  
 • 10 credits from Group D

**GROUP A: Physics (calculus based) (15cr sequence)**

Course	Date	Cr
PHYS 201		
PHYS 202		
PHYS 203		

**GROUP B: Chemistry (5cr)**

Course	Date	Cr
CHEM& 161		

**GROUP C: Computer Programming (5cr)**

Course	Date	Cr
CS& 141 (SFCC only)		
CS 255 (SFCC only)		

*GU requires CS& 141 for Electrical Engineering  
 EWU requires CS 255 for Electrical Engineering*

**GROUP D: Engineering (10cr)**

Course	Date	Cr
ENGR 190 (SFCC only)		
ENGR 210 (SFCC only)		
<b>SCIENCE/ENGINEERING TOTAL</b>		

**V. ENGINEERING ELECTIVES —15 credits**  
 • 15 additional credits  
 • Plan electives as appropriate for intended major and intended transfer university in consultation with the engineering advisor.

Course	Date	Cr
BIOL& 222		
CS 142 (SFCC only)		
CS 253 (SFCC only)		
CHEM 162		
ENGL& 235		
ENGR 110 <b>and</b> ENGR 111 (SFCC only)		
ENGR 201 (SFCC only)		
ENGR 202 (SFCC only)		
ENGR 240 (SFCC only)		
<b>ELECTIVES TOTAL</b>		

ALL STUDENTS – Meet regularly with your SCC/SFCC advisor or counselor.  
 TRANSFER STUDENTS – Transfer requirements vary based on major. Contact an advisor at your transfer university for additional requirements.

**W COURSE** \_\_\_\_\_  
course title/number