Spokane Community College and Spokane Falls Community College
ASSOCIATE IN SCIENCE TRANSFER (TRACK 2)
BIOENGINEERING AND CHEMICAL PRE-ENGINEERING
DEGREE REQUIREMENTS

The Associate in Bioengineering and Chemical pre-Engineering (AS-T #2) degree is a statewide articulated transfer agreement for future engineers between community colleges and most four-year institutions. A candidate for the Associate in Science Transfer degree must complete 95 quarter credits in academic courses numbered 100 and above with a cumulative grade point average of at least 2.0 and meet specific distribution requirements. Courses must be chosen from the following distribution areas: communication – 5 credits; humanities/ social sciences – 15 credits; mathematics – 25 credits; science/engineering – 40 credits; and 10 credits in pre-engineering electives. **At least 5 credits must be W-designated (writing-intensive).** At least 30 credits must be earned in residence from Spokane Community College or Spokane Falls Community College with at least 15 credits earned in the required distribution areas at the college awarding the degree. Prior college-level credits and grade points are transferred for calculating total credits and GPA. 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 requirement.

2014-2015

COMMUNICATION 5 credits

Courses from this area do not satisfy the writing-intensive requirement.

ENGL& 101, 102

JOURN 220

HUMANITIES/SOCIAL SCIENCES 15 credits

Minimum of 5 credits from Group A: Humanities.
Minimum of 5 credits from Group B: Social Sciences.
Additional 5 credits from Group A **OR** Group B.
No more than 5 credits in a foreign language or ASL.

GROUP A: HUMANITIES

ART 108, 109, 110, 112; ART& 100
CMST 227
DRMA& 101
ENGL 208, 209, 241, 247, 248, 249, 259, 261, 271, 272, 278; ENGL& 111, 112, 113, 114, 220
Foreign Language **OR** ASL – 5 credits only
HUM 107, 141, 201, 221, 222, 223, 224, 236; HUM& 101
JOURN 110
MUSC 108, 109, 124; MUSC& 105, 141, 142, 143, 241, 242, 243
PHIL 209, 210, 215, 220, 231; PHIL& 101, 120

GROUP B: SOCIAL SCIENCES

ANTH& 100, 206, 210
ECON 100; ECON& 201, 202[1]
GEOG 101, 230, 260
HIST 106, 107, 141, 142, 230, 240; HIST& 116, 117, 118, 136, 137, 214, 219
POLS 102, 125, 204, 205; POLS& 101, 202, 203
PSYC 204, 210, 250; PSYC& 100, 200, 220
SOC 204, 211, 221, 230, 261; SOC& 101, 201

MATHEMATICS 25 credits

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

SCIENCE/ENGINEERING 40 credits

Groups A AND B requirements must all be met.

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

PHYS 201, 202, 203

GROUP B: Chemistry (25cr)

CHEM& 161, 162, 163, 241/251, 242/252

Note: Transfer requirements vary based on major. Students should consult with their counselor or academic adviser and the appropriate department at the transfer university.

PRE-ENGINEERING ELECTIVES 10 credits

Select electives as appropriate for intended major and intended four-year institution in consultation with the engineering adviser.

BIOL& 222
ENGL& 235
ENGR 210
MATH 220
Programming Course (ENGR 120 and 240)

[1] A course in Macro Economics is recommended.

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 a counselor or academic adviser for further guidance specific to their goals.

NOTE: Some institutions have requirements for admission to the major that go beyond those specified above. Students can meet these requirements by careful selection of additional elective courses. Students should work with a counselor or academic adviser for further guidance specific to their goals.

NOTICE: Due to the specialized nature of many of the listed courses, students should consult a counselor or academic adviser and the catalog of the four-year institution to which they plan to transfer for specific degree requirements.

ASSOCIATE IN SCIENCE TRANSFER (TRACK 2) DEGREE
BIOENGINEERING AND CHEMICAL PRE-ENGINEERING
WORKSHEET 2014-2015

A total of 95 quarter credits are required. **At least 5 credits must be W-designated (writing-intensive).** See reverse side for the complete statement of degree requirements and listing of available courses.

Counselor's Initials _____ Date _____ Student Identification Number _____ Name _____

I. COMMUNICATION—5 credits

Course	Date	Cr
ENGL& 101, 102		
JOURN 220		
COMMUNICATION TOTAL		

II. HUMANITIES/SOCIAL SCIENCES—15 credits

Minimum of 5 credits from Group A: Humanities.
Minimum of 5 credits from Group B: Social Sciences.
Additional 5 credits from Group A **OR** Group B.
No more than 5 credits in a foreign language or ASL.

GROUP A: Humanities (minimum of 5cr)

Course	Date	Cr
Art		
CMST 227		
DRMA& 101		
English		
Foreign Language **OR** ASL		
Humanities		
JOURN 110		
Music		
Philosophy		

GROUP B: Social Sciences (minimum of 5cr)

Course	Date	Cr
Anthropology		
Economics[1]		
Geography		
History		
Political Science		
Psychology		
Sociology		
HUMANITIES/SOCIAL SCIENCES TOTAL		

III. MATHEMATICS—25 credits

Course	Date	Cr
MATH& 151		
MATH& 152		
MATH& 153		
MATH& 254		
MATH 274		
MATHEMATICS TOTAL		

IV. SCIENCE/ENGINEERING —40 credits

Groups A **AND** B must all be met.

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

Course	Date	Cr
PHYS 201		
PHYS 202		
PHYS 203		

GROUP B: Chemistry (25cr)

Course	Date	Cr
CHEM& 161		
CHEM& 162		
CHEM& 163		
CHEM& 241/251		
CHEM& 242/252		
SCIENCE TOTAL		

V. PRE-ENGINEERING ELECTIVES—10 credits

Select electives as appropriate for intended major and intended four-year institution in consultation with the engineering adviser.

Course	Date	Cr
BIOL& 222		
ENGL& 235		
ENGR 210		
MATH 220		
Programming Course (ENGR 120 and 240)		
ELECTIVES TOTAL		

[1] A course in Macro Economics is recommended.

&^W COURSE_____
course title/number