Spokane Falls Community College
ASSOCIATE IN COMPUTER SCIENCE
Direct Transfer Agreement/Major Related Program (DTA/MRP)

Requirements for completion of an Associate in Computer Science (DTA/MRP) degree:

- Cumulative grade point average (GPA) of 2.0 or higher
- Complete 90 quarter credits in courses numbered 100 or above, as follows:

Communication (10 credits)	Mathematics/Science (15 credits)
Quantitative/Symbolic Reasoning (5 credits)	Major Requirements (20 credits)
Humanities (15 credits)	University Specific Requirements/Electives (10 credits)
Social Sciences (15 credits)	

- **5 credits must be W (writing-intensive), and 5 credits must be D (global/diversity)**
- **No more than 3 credits of PE activity courses are allowed in this degree**
- Earn at least 30 credits at SCC/SFCC (at least 15 credits earned at the degree-awarding college)

DISTRIBUTION (Credits for a specific course may be used in only one distribution area.)   **2023-2024**

COMMUNICATION 10 credits

- 5 credits composition (ENGL& 101)
- 5 additional credits from the list below (these courses do not satisfy the writing-intensive requirement)

ENGL& 101 (required)
ENGL& 235 [1]

[1] **EWU** requires ENGL& 102
Gonzaga requires CMST& 101
Whitworth requires Oral Communication (CMST& 101 or 220)

QUANTITATIVE/SYMBOLIC REASONING 5 credits

- 5 credits from the list below
- Course prerequisites must be met

MATH& 151

HUMANITIES 15 credits

- **Three** subject areas required [2]
- Select from at least two groups (A, B or C)
- No more than 5 credits in foreign language or ASL

GROUP A: Literature and Language
CMST 226, 227
ENGL 209, 241, 247, 248, 249, 259, 261, 271, 272, 278; ENGL& 111, 112, 113, 220
Foreign Language **OR** ASL– 5 credits only
JOURN 110

GROUP B: Aesthetic Experience
ART 108, 109, 110, 112; ART& 100
DRMA 140; DRMA& 101
FILM 141, 221, 222, 224, 225, 236
MUSC 106, 108, 109, 124; MUSC& 105, 141, 142, 143, 241, 242, 243

GROUP C: Philosophy and the Humanities
HUM 107, 201; HUM& 101
PHIL 110, 204, 209, 215, 220, 231; PHIL& 101, 115, 120

[2] **EWU** requires PHIL 110
Gonzaga requires PHIL& 101 and PHIL 110
WSU Pullman & **WSU Tri-Cities** require PHIL& 120

SOCIAL SCIENCES 15 credits

- **Three** subject areas required
- 5 credits from Group A
- 5 credits from Group B
- 5 additional credits from Group A or B

GROUP A: Human Behavior
ANTH& 100, 204, 206, 210
GEOG 260, 280; GEOG& 100, 102, 207
PSYC 204, 250; PSYC& 100, 180, 200, 220
SOC 204, 211, 221, 230, 261; SOC& 101, 201

GROUP B: Human Enterprise [3]
ECON 100; ECON& 201, 202
HIST 105, 106, 107, 230, 240; HIST& 116, 117, 118, 136, 137, 214, 219
POLS 102, 125, 205; POLS& 101, 202, 203

[3] **WSU Vancouver** requires ECON& 201 or 202

MATHEMATICS/SCIENCE 15 credits

- 15 credits required from at least two disciplines
- No more than 10 credits allowed from any one discipline

GROUP A: Mathematics
MATH& 152 [4]

GROUP B: Science
PHYS 201, 203

[4] **UW Tacoma** requires MATH& 146

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

TRANSFER STUDENTS – Contact an advisor at your transfer university for additional requirements.

MAJOR REQUIREMENTS 20 credits

- 10 credits from Group A
- 10 credits from Group B

GROUP A: Major Required Computer Programming [5]
CS& 141, CS 142

GROUP B: Major Required Courses [6]
MATH& 153, 254 (WSU)
CS 211, 280 (EWU)

[5] **CWU, UW Seattle, and Heritage** require two Java courses
UW Bothell requires two courses in one language (C#, C++ or Java)
UW Tacoma requires Intro Programming and Object-Oriented Programming (Java)
WSU Tri-Cities requires two C++ courses

[6] **EWU** requires CS 211 and 280
UW Bothell requires statistics instead of Calculus 3
UW Tacoma does not require Calculus 3
WSU (all campuses) requires Math& 153 and 254

UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES 10 credits

- Plan additional credits in consultation with a counselor or academic advisor

EWU – Linear Algebra (Math 220), Digital Circuits (ENGR 190)

Gonzaga – Engineering Physics 3 with lab (PHYS 203), Discrete Math (MATH 245)

Heritage and **Whitworth** – Engineering Physics 3 with lab (PHYS& 203)

Pacific Lutheran, Seattle Pacific and **Seattle University** – Physical, Biological and/or Earth Sciences with lab

WSU (all campuses) and **WWU** – One year Engineering Physics

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Advising Notes:
Gonzaga – Recommends Calculus 4, Critical Thinking (Symbolic Logic), Differential Equations, and Intro to Literature to fulfill graduation requirements
*Heritage – Discrete Math and Statistics will be evaluated for comparability to Heritage's SPSC 231 and Math 221 courses**
*Pacific Lutheran – Intro to CS, Digital Systems, Data Structures, Statistics, and Discrete Structures will be evaluated for comparability to PLU's, CSCE 144, 231 270, and Math 242, 245 courses**
*Seattle Pacific – Prefers C++ but accepts Java with SPU bridge course. Math& 153 will be evaluated for comparability to SPU's Math 1236**
*Seattle University – Programming and Problem Solving 1 and 2 will be evaluated for comparability to CPSC 1420 and 1430 courses**
WSU Pullman & WSU Tri-Cities – Recommends macro or micro economics to meet five credits of the social science requirement
WSU (all campuses) – Recommends discrete structures. Discrete Structures is a certification course for computer science and as such is required for admittance to the computer science program.
Whitworth – Recommends electives include one Fine Art and one course fulfilling "American Diversity"

* *Other lower level courses taken by Computer Science majors, which may need to be taken prior to graduation. Similar courses taken at other institutions will be evaluated at time of transfer and credit may be applied towards major, general education or electives as appropriate.*

2023-2024 Worksheet
ASSOCIATE IN COMPUTER SCIENCE
Direct Transfer Agreement/Major Related Program (DTA/MRP)

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.

NOTE: Some institutions have requirements for admissions to the major that go beyond those specified above which students can meet by careful selection of an additional elective course. Students should work with a counselor or academic advisor for further guidance specific to their goals.

I. COMMUNICATION—10 credits
- 5 credits composition (ENGL& 101)
- 5 additional credits from the list below (these courses do not satisfy the writing-intensive requirement)

Requirement	Course	Cr
ENGL& 101 (required)		
ENGL& 235 [1]		
COMMUNICATION TOTAL		

[1] **EWU** requires ENGL& 102
Gonzaga requires CMST& 101
Whitworth requires Oral Communication (CMST& 101 or 220)

II. QUANTITATIVE/SYMBOLIC REASONING—5 credits
- 5 credits from the list below
- Course prerequisites must be met

Requirement	Course	Cr
MATH& 151		
QUANTITATIVE/SYMBOLIC REASONING TOTAL		

III. HUMANITIES—15 credits
- **Three** subject areas required [2]
- Select from at least two groups (A, B or C)
- No more than 5 credits in foreign language or ASL

GROUP A: Literature and Language

Requirement	Course	Cr
CMST 226, 227		
English (literature)		
Foreign Language **OR** ASL		
JOURN 110		

GROUP B: Aesthetic Experience

Requirement	Course	Cr
Art		
Drama		
Film		
Music		

GROUP C: Philosophy and the Humanities

Requirement	Course	Cr
Humanities		
Philosophy		
HUMANITIES TOTAL		

[2] **EWU** requires PHIL 110
Gonzaga requires PHIL& 101 and PHIL 110
WSU Pullman and WSU Tri-Cities require PHIL& 120

IV. SOCIAL SCIENCES—15 credits
- **Three** subject areas required
- 5 credits from Group A
- 5 credits from Group B
- 5 additional credits from Group A or B

GROUP A: Human Behavior

Requirement	Course	Cr
Anthropology		
Geography		
Psychology		
Sociology		

GROUP B: Human Enterprise [3]

Requirement	Course	Cr
Economics		
History		
Political Science		
SOCIAL SCIENCES TOTAL		

[3] **WSU Vancouver** requires ECON& 201 or 202

V. MATHEMATICS/SCIENCE—15 credits
- 15 credits required from at least two disciplines
- No more than 10 credits allowed from any one discipline

GROUP A: Mathematics

Requirement	Course	Cr
MATH& 152 [4]		

GROUP B: Science

Requirement	Course	Cr
PHYS 201 (required)		
PHYS 203 (required)		
MATHEMATICS/SCIENCE TOTAL		

[4] **UW Tacoma** requires MATH& 146

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

TRANSFER STUDENTS – Contact an advisor at your transfer university for additional requirements.

VI. MAJOR REQUIREMENTS—20 credits
- 10 credits from Group A
- 10 credits from Group B

GROUP A: Major Required Computer Programming [5]

Requirement	Course	Cr
CS& 141		
CS 142		

GROUP B: Major Required Courses [6]

Requirement	Course	Cr
MATH& 153 (WSU)		
MATH& 254 (WSU)		
CS 211 (EWU)		
CS 280 (EWU)		
MAJOR REQUIREMENTS TOTAL		

[5] **CWU, UW Seattle, and Heritage** require two Java courses
UW Bothell requires two courses in one language (C#, C++ or Java)
UW Tacoma requires Intro Programming and Object-Oriented Programming (Java)
WSU Tri-Cities requires two C++ courses

[6] **EWU** requires CS 211 and 280
UW Bothell requires Statistics instead of Calculus 3
UW Tacoma does not require Calculus 3
WSU (all campuses) requires Math& 153 and 254

VII. UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES—10 credits
- Plan additional credits in consultation with a counselor or academic advisor

Requirement	Course	Cr
UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES TOTAL		

EWU – Linear Algebra (MATH 220), Digital Circuits (ENGR 190)

Gonzaga – Engineering Physics 3 with lab (PHYS 203), Discrete Math (MATH 245)

Heritage and **Whitworth** – Engineering Physics 3 with lab (PHYS 203)

Pacific Lutheran, Seattle Pacific, and **Seattle University** – Physical, Biological and/or Earth Sciences with lab

WSU (all campuses) and **WWU** – One year Engineering Physics

W COURSE _____
                               course title/number

D COURSE _____
                               course title/number