

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.)

**2021-2022**

**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 <sup>1</sup>

<sup>1</sup> *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 <sup>2</sup>
- 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, 209, 215, 220, 231; PHIL& 101, 115, 120

<sup>2</sup> *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 101, 260; GEOG& 102  
 PSYC 204, 250; PSYC& 100, 180, 200, 220  
 SOC 204, 211, 221, 230, 261; SOC& 101, 201

**GROUP B: Human Enterprise** <sup>3</sup>

ECON 100; ECON& 201, 202  
 HIST 105, 106, 107, 230, 240; HIST& 116, 117, 118, 136, 137, 214, 219  
 POLS 102, 125, 204, 205; POLS& 101, 202, 203

<sup>3</sup> *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 <sup>4</sup>

**GROUP B: Science**

PHYS 201, 203

<sup>4</sup> *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** <sup>5</sup>

CS& 141, CS 142

**GROUP B: Major Required Courses** <sup>6</sup>

MATH& 153, 254 (WSU)  
 CS 211, 280 (EWU)

<sup>5</sup> *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

<sup>6</sup> *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

**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.

**DISCLAIMER:** During the period this guide is in circulation, there may be curriculum revisions and program changes. **Students are responsible** for consulting the appropriate academic unit or advisor for more current and specific information. The information in this guide is subject to change and does not constitute an agreement between the college and the student.

# Worksheet 2021-2022

## 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 <sup>1</sup>		
<b>COMMUNICATION TOTAL</b>		

<sup>1</sup> 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		
<b>QUANTITATIVE/SYMBOLIC REASONING TOTAL</b>		

#### III. HUMANITIES—15 credits

- Three subject areas required <sup>2</sup>
- 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		
<b>HUMANITIES TOTAL</b>		

<sup>2</sup> 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 <sup>3</sup>

Requirement	Course	Cr
Economics		
History		
Political Science		

##### SOCIAL SCIENCES TOTAL

<sup>3</sup> 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 <sup>4</sup>		

##### GROUP B: Science

Requirement	Course	Cr
PHYS 201 (required)		
PHYS 203 (required)		

##### MATHEMATICS/SCIENCE TOTAL

<sup>4</sup> 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 <sup>5</sup>

Requirement	Course	Cr
CS& 141		
CS 142		

##### GROUP B: Major Required Courses <sup>6</sup>

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

##### MAJOR REQUIREMENTS TOTAL

<sup>5</sup> 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

<sup>6</sup> 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
<b>UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES TOTAL</b>		

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

<b>W COURSE</b>	_____
	course title/number
<b>D COURSE</b>	_____
	course title/number

Counselor Initials

Date

Student Identification Number

Name