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)
  - Quantitative/Symbolic Reasoning (5 credits)
  - Humanities (15 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.)

<table>
<thead>
<tr>
<th>COMMUNICATION 10 credits</th>
<th>SOCIAL SCIENCES 15 credits</th>
<th>MAJOR REQUIREMENTS 20 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 credits composition (ENGL 101)</td>
<td>Three subject areas required</td>
<td>10 credits from Group A</td>
</tr>
<tr>
<td>5 additional credits from the list below (these courses do not satisfy the writing-intensive requirement)</td>
<td>5 credits from Group B</td>
<td>10 credits from Group B</td>
</tr>
<tr>
<td>ENGL 101 (required)</td>
<td>5 additional credits from Group A or B</td>
<td>GROUP A: Major Required Computer Programming</td>
</tr>
<tr>
<td>ENGL 235</td>
<td></td>
<td>CS&amp; 141, CS 142</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>HUMANITIES 15 credits</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Three subject areas required</td>
<td></td>
<td>GROUP B: Major Required Courses</td>
</tr>
<tr>
<td>Select from at least two groups (A, B or C)</td>
<td></td>
<td>MATH&amp; 153, 254 (WSU)</td>
</tr>
<tr>
<td>No more than 5 credits in foreign language or ASL</td>
<td></td>
<td>CS 211, 280 (EWU)</td>
</tr>
</tbody>
</table>

GROUP A: Literature and Language
- English: CMST 226, 227
- Foreign Language OR ASL—5 credits only

GROUP B: Aesthetic Experience
- ART 108, 109, 110, 112; ART& 100
- DRMA 140; DRMA& 101
- FILM 141, 221, 222, 224, 225, 236
- MUSC 105, 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

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

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
- 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

3 WSU Vancouver requires ECON& 201 or 202

MAJOR REQUIREMENTS (20 credits)
- 15 credits required from at least two disciplines
- No more than 10 credits allowed from any one discipline

GROUP A: Mathematics
- MATH& 152

GROUP B: Science
- PHYS 201, 203

4 UW Tacoma requires MATHS 146

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

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

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*

* 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.

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### 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)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101 (required)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 235 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMMUNICATION TOTAL**

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### II. QUANTITATIVE/SYMBOLIC REASONING—5 credits

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH&amp; 151</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**QUANTITATIVE/SYMBOLIC REASONING TOTAL**

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### 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**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 226, 227</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English (literature)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language OR ASL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOURN 110</td>
<td></td>
<td></td>
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</table>

**GROUP B: Aesthetic Experience**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drama</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GROUP C: Philosophy and the Humanities**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td></td>
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</tr>
</tbody>
</table>

**HUMANITIES TOTAL**

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### 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**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
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</tbody>
</table>

**GROUP B: Human Enterprise 3**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
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<tbody>
<tr>
<td>Economics</td>
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<tr>
<td>History</td>
<td></td>
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</tr>
<tr>
<td>Political Science</td>
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</tbody>
</table>

**SOCIAL SCIENCES TOTAL**

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### 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**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH&amp; 152 4</td>
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</table>

**GROUP B: Science**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
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</thead>
<tbody>
<tr>
<td>PHYS 201 (required)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 203 (required)</td>
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</tbody>
</table>

**MATHEMATICS/SCIENCE TOTAL**

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### VI. MAJOR REQUIREMENTS

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

**GROUP A: Major Required Computer Programming 5**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS&amp; 141</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 142</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GROUP B: Major Required Courses 6**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH&amp; 153 (WSU)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH&amp; 254 (WSU)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 211 (EWU)</td>
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<td></td>
</tr>
<tr>
<td>CS 280 (EWU)</td>
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</tbody>
</table>

**MAJOR REQUIREMENTS TOTAL**

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### VII. UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES

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

**UNIVERSITY SPECIFIC REQUIREMENTS/ELECTIVES TOTAL**

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

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

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

3. WSU Vancouver requires ECON 201 or 202

4. UW Tacoma requires MATH 146

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

EWU – Linear Algebra (MATH 220), Digital Circuits (ENGR 190)
Gonzaga – Engineering Physics 3 with lab (PHYS 203), Discrete Math (MATH 249)
Heritage and Whitworth – Engineering Physics 3 with lab (PHYS 203)
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**W COURSE**

**D COURSE**