Computer Science Associate DTA/MRP Worksheet

RTC RENTON TECHNICAL COLLEGE®

About the Degree

The Computer Science DTA/MRP prepares students for transfer to bachelor's degree programs in Computer Science and related fields at these schools. Each university has different requirements; **students must select courses based on intended transfer school and program.**

Public Universities

- Central Washington University
- Eastern Washington University
- The Evergreen State College
- University of Washington (all campuses)
- Washington State University (all campuses)
- Western Washington University

Private Universities

- Gonzaga University
- Heritage University
- Pacific Luteran University
- Saint Martin's University
- Seattle Pacific University
- Seattle University
- Whitworth University

Community & Technical Colleges

- Bellevue College

DTA (Washington Direct Transfer Agreement): A degree that prepares students for transfer to all public universities and many private colleges in Washington State.
MRP (Major Related Program): A transfer degree that prepares students for bachelor's degree programs that require specific courses in the first two years.

Completing this degree does not guarantee admission to any university. Universities and Computer Science programs may have additional requirements beyond this degree. This DTA degree can transfer to other bachelor's programs; Computer Science is not your only option!

Course Requirements

Choose classes based on your intended transfer program and university.

Courses		Qtr. | Year	Grade
Written Communication: 10 credits			
ENGL&101	■		
ENGL&102 - or - ENGL&235	■		
Quantitative Mathematics: 10 credits			
MATH&151	■		
MATH&152	■		
Computer Science: 10 credits			
CS&141	■		
CS&142	■		
Natural Science: 10 credits			
PHYS&221	■		
BIOL&221 - or - PHYS&222	■		
Humanities: 15 credits			
	■		
	■		
	■		
Social Science: 15 credits			
	■		
	■		
	■		
Electives: 20 credits			
	■		
	■		
	■		
	■		

Degree Requirements

- Total of 90 college-level credits required.
- Minimum cumulative GPA of 2.0 to graduate.
- Minimum passing grade of 1.0 GPA required in each course (2.0 GPA or higher is strongly recommended.)
- A course cannot count toward more than one area or requirement.
- At least 25% of this 90 credit degree must be completed at RTC.
- Students must apply for graduation, find out more: **rtc.edu/graduation**

Transfer Coursework

- Meet with an adviser for an unofficial review of your previous credit to plan how classes could transfer toward your degree, **rtc.edu/advising**
- For an official review, fill out a Transcript Evaluation Request form and send RTC an official copy of your transcript(s), **rtc.edu/transfer**

Advising and Recommendations

- Computer Science students should talk with their future transfer university early on to plan for specific classes to choose for your Natural Science, Humanities, Social Science and Elective requirements.
- Some universities may require additional classes for their Computer Science program.
- Computer Science programs have competitive admission. For many schools you will need a cumulative GPA significantly above a 2.0 & a higher GPA in specific classes.
- Consult with your RTC adviser on a regular basis to stay on track to graduate and transfer, **rtc.edu/advising**
- Some universities may require that you take 10 credits of World Language at the college level if you did not complete two years of a World Language in high school, or take a test if you already speak another language. Talk to a transfer adviser at your future university for more information.

Distribution Areas

Humanities: 15 credits

Choose three courses, no more than two in the same subject:

- **Art – ART& – 100**
- **Communications – CMST& – 101, 220, 240**
- **English – ENGL& – 111, 254**
- **History – HIST or HIST& – 110,126,136, 137**
- **Humanities – HUM& – 101**
- **Music – MUSC& – 105**
- **Philosophy – PHIL& – 101**

Only one World Language class (5 credits) can count toward the Humanities requirement:

- **SPAN&121, SPAN&122, SPAN&123**

Social Science: 15 credits

Choose three courses, no more than two in the same subject:

- **Anthropology – ANTH& – 106, 234, 235**
- **Business – BUS& – 101, 201**
- **Economics – ECON& – 201, 202**
- **History – HIST or HIST& – 110,126,136, 137**
- **Political Science – POLS& – 150, 202**
- **Psychology – PSYC& 100, 200**
- **Sociology – SOC& – 101**

Electives: 20 credits

Choose courses very carefully with your intended major and transfer university in mind. Can be any English, Math, Social Science, Humanities or Natural Science class you haven't taken, one of the classes below, or from the suggested list on the next page. Maximum of 5 credits of professional/ technical credit permitted.

- **Accounting – ACCT& – 201, 202**
- **Biology – BIOL or BIOL& – 100, 105**
- **Chemistry – CHEM& – 131**
- **Geology – GEOL& – 101**
- **Math – MATH& – 107, 141, 142**
- **Nutrition – NUTR& – 101**

These are common, suggested electives that help you prepare for a Computer Science bachelor's degree, but requirements vary by university. An elective choice that may be a good fit for one university may not be appropriate for a different school. Work with your adviser and your transfer school to choose the right courses. Not all classes are offered at Renton Technical College. Ask your adviser about using financial aid to take classes at another college through a consortium agreement.

- **Advanced Data Structures**
- **Calculus 3**
- **Calculus 4**
- **Computer Architecture**
- **Data Science - Introduction**
- **Data Structures**
- **Differential Equations**
- **Digital Logic**
- **Discrete Math**
- **Discrete Structures**
- **Lab Science intended for science and engineering majors**
- **Linear Algebra**
- **Programming Tools**
- **Statistics - Calculus based**
- **Technical Writing**

University-Specific Transfer Admission Requirements

Talk to your adviser about using a consortium agreement to take a class from another college. Linear Algebra is available at Bellevue College **MATH 208**, Highline College **MATH 220**, Seattle Colleges **MATH 220**, and Green River College **MATH 240**.

Bellevue College

- Take **MATH&163** Calculus 3.
- Choose **PHYS&222** instead of **BIOL&221.**
- Recommended elective: **Linear Algebra.**

Central Washington University

- Take **ENGL&102** as your second **English** class.

Eastern Washington University

- Take **ENGL&102** as your second **English** class.
- Recommended elective: **Linear Algebra** (for BS degree).
- Lower-level **Computer Science** courses may need to be completed before graduation at EWU.

Gonzaga University

- Take **PHYS&222** and **PHYS&223**.
- Choose **PHIL&101** Intro to Philosophy, **CMST&101** Intro to Communications and **ENGL&111** Intro to Literature for your **Humanities** requirement.
- Choose a **History** class & **Psychology** or **Sociology** for your **Social Science** requirement.
- Recommended electives: **Discrete Structures**, **MATH&163** Calculus 3.

Heritage University

- Recommended electives: **Statistics, Discrete Mathematics**.
- Lower-level **Computer Science** courses may need to be completed at Heritage before graduation.

University-Specific Transfer Admission Requirements Continued

Pacific Lutheran University

- Choose **PHYS&222** and **PHYS&223** (for BS degree).
- You will need credits for **Introduction to Computer Science, Data Structures, and Discrete Structures**. These lower-level **Computer Science** classes may need to be completed at PLU before graduation.

Seattle Pacific University

- **C++** is the preferred programming language, but **Java** classes will be accepted with a SPU Bridge course.
- Recommended elective: **Linear Algebra**.
- Lower-level **Computer Science** class may need to be completed before graduation at SPU.

Seattle University

- Take **PHYS&222** and **PHYS&223**.
- Take **MATH&163** Calculus 3.
- Recommended elective: **Linear Algebra**.

University of Washington (Seattle & Tacoma)

- Take **MATH&163** Calculus 3.
- Recommended elective: **Linear Algebra**.
- Choose a **Diversity Social Science** class- talk with a UW adviser for course options.

Walla Walla University

- Recommended elective: **Discrete Mathematics**.

Washington State University

- Take **MATH&163** Calculus 3.
- Choose **ENGL&235** Technical Writing instead of **ENGL&102** Composition 2.
- Recommended elective: **Linear Algebra**.
- Recommends **Discrete Structures**.
- **WSU Vancouver:** Take **PHYS&222** and **PHYS&223** or talk with a WSU Vancouver advisor to explore other options, recommended to take **Calculus 4**.

Western Washington University

- Take **PHYS&222** and **PHYS&223** (completed lab science series in **Chemistry**, **Geology** or **Physics**).
- Lower-level **Computer Science** courses may need to be completed before graduation at WWU.

Whitworth University

- Choose a Communications (**CMST**) class for your **Humanities** requirement.
- Recommended elective: **Discrete Mathematics**.