

ASSOCIATE IN COMPUTER SCIENCE DTA/MRP


Computer Science Transfer

START here


Requirements to Earn this Associate Degree

Work with an advisor to develop your specialized education plan.

Communication Skills: 10 credits

- ENGL&101: English Composition I .....5
- ENGL&102: English Composition II OR
ENGL&235: Technical Writing.....5

Quantitative Skills: 5 credits (SQR)

- MATH&151: Calculus .....5

Humanities: 15 credits (HU, HP)

[ART, CMST, ENGL, FREN, GERM, HUM, MUSC, PHIL, REL, SPAN]

-5
-5
-5

Social Science: 15 credits (SS)

[ANTH, CJ, HIST, POLS, PSYC, SOC]

- ECON&201: Microeconomics OR
ECON&202: Macroeconomics.....5
-5
-5

Natural Science: 15 credits (NS, LS, MS)

- MATH&152: Calculus II.....5
- PHYS&221: Engineering Physics with Lab I.....5
- PHYS&222: Engineering Physics with Lab II.....5

Major Requirements: 10-20 credits

- CS&141: Computer Science I: Java.....5
- CS142: Advanced Programming with Java.....5
-5
-5

University Specific Requirements: 0-10 credits

-5
-5

Electives: 0-20 credits

-5
-5
-5
-5

Total Credits Required: 95



TO DO:

Stay on track with this checklist!

TO DO'S:

QUARTER 1

- APPLY FOR FAFSA OR WASFA FOR NEXT YEAR
- SET UP YOUR BANKMOBILE ACCOUNT
- GET FAMILIAR WITH YOUR CTCLINK STUDENT HOMEPAGE
- MEET WITH YOUR ADVISOR

QUARTER 2

- MAKE AN EDUCATION PLAN WITH YOUR ADVISOR
- APPLY FOR BBCC FOUNDATION SCHOLARSHIPS

QUARTER 3

- MEET WITH YOUR ADVISOR

QUARTER 4

- UPDATE YOUR EDUCATION PLAN WITH YOUR ADVISOR
- APPLY TO TRANSFER INSTITUTIONS
- APPLY FOR FAFSA OR WASFA FOR NEXT YEAR

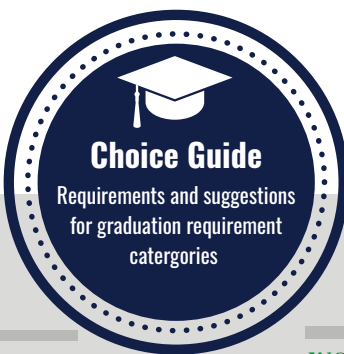
QUARTER 5

- APPLY FOR GRADUATION (AFTER ENROLLING IN YOUR FINAL QUARTER OF CLASSES)

QUARTER 6

- ORDER CAP AND GOWN
- ATTEND GRADUATION!

Select these courses with your advisor. University specific course options on the next page.



Recommendations by Distribution

CS ELECTIVES (15-20 CREDITS)

1. CS&131 (CURRENTLY NA - WSU) OR CS& 141 (W - CWU, HERITAGE, UW)
2. CS 132 (CURRENTLY NA - WSU) OR CS 142 (SP - CWU, HERITAGE, UW)
3. CS 111 (F - UW-TACOMA W/ JAVA CLASS)
4. MATH&163 (W, SP - WSU)
5. MATH&254 (F - WSU)

HUMANITIES AND SOCIAL SCIENCE

- **SUGGESTED HUMANITIES (15 CREDITS)**
 - PHIL 210: ETHICS (F,W, SP - EWU, GONZAGA)
 - PHIL&120: SYMBOLIC LOGIC (W, SP - WSU, GONZAGA)
 - NOTE: NO MORE THAN 10 CREDITS FROM ONE DISCIPLINE
- **SOCIAL SCIENCE (10 CREDITS)**
 - SELECT FROM AT LEAST TWO DISCIPLINES

ENGLISH

- ENGL&235 (W, SP) OR ENGL&102 (EWU)

ADDITIONAL UNIVERSITY SPECIFIC PREREQS

- PHYS&223 (SP - WSU, GONZAGA, HERITAGE, WHITWORTH, WWU)
- MATH 220 (W - EWU)
- MATH 230 (SP - GONZAGA)
- ENGR 202 (EWU)
- MATH&146 (CWU, HERITAGE, UW-BOTHELL)
 - NOTE GONZAGA, HERITAGE, AND WSU REQUIRE A DISCRETE MATH (STRUCTURES) PREREQ THAT IS NOT CURRENTLY OFFERED AT BBCC

Recommendations by University

WSU

1. CS&131 (CURRENTLY NA)
2. CS 132 (CURRENTLY NA)
3. MATH&163 (W, SP)
4. MATH&254 (F)
5. PHIL&120 (HUMANITIES) (W, SP)
6. PHYS&223 (SP)
7. NOTE: WSU REQUIRES A DISCRETE MATH (STRUCTURES) PREREQ THAT IS NOT CURRENTLY OFFERED AT BBCC

CWU

1. CS& 141 (W)
2. CS 142 (SP)
3. MATH&146 (F, W, SP, SU)

EWU

1. PHIL 210: ETHICS (F,W, SP)
2. ENGL&102 (F, W, SP, SU)
3. MATH 220 (W)

GONZAGA

1. PHIL 210: ETHICS (F,W, SP)
2. PHIL&120: SYMBOLIC LOGIC (W, SP)
3. PHYS&223 (SP)
4. MATH 230 (SP)
5. NOTE: GONZAGA REQUIRES A DISCRETE MATH (STRUCTURES) PREREQ THAT IS NOT CURRENTLY OFFERED AT BBCC

HERITAGE

1. CS& 141 (W)
2. CS 142 (SP)
3. PHYS&223 (SP)
4. MATH&146 (F, W, SP, SU)
5. NOTE: HERITAGE REQUIRES A DISCRETE MATH (STRUCTURES) PREREQ THAT IS NOT CURRENTLY OFFERED AT BBCC

UW

1. CS& 141 (W)
2. CS 142 SP)
3. CS 111 (F - UW-TACOMA W/ JAVA CLASS)
4. MATH&146 (F, W, SP, SU - UW-BOTHELL)

Career Outlook

A computer science bachelor's degree prepares students to work in careers such as software development, computer programming, and scientific computing.

Future Education Opportunities

The Associate in Computer Science DTA/MRP degree prepares students for transfer to a four-year university to complete a bachelor's degree in Computer Science. Graduates may be able to transfer with junior status with all or most prerequisites for the computer science major completed. Since programs differ at each college, students should consult program outlines in the catalog of the college or university to which they plan to transfer. Students should prepare their quarterly schedules with the assistance of an advisor knowledgeable in the transfer area and the requirements of the intended college or university.

Find Out More

compsci@bigbend.edu

<https://www.bigbend.edu/academics/computer-science/>

Length of Program

95+ credits = 6 quarters* if you take 15-20 credits each quarter.

*Your specific route may take longer than 6 quarters depending on the number of credits you take each quarter, your transfer school, and where you start in your math and English pathways.

Which Quarter Can I Begin?

Fall, Winter, Spring, or Summer

Program Modality

Currently, degree can be completed online (all 4 CS classes are offered online, and this assumes that the other gen ed required classes are available online). Hybrid offerings also available.

Helpful Hints

- Decide on your transfer school as early as possible
- Get to college-level math as soon as possible.
- MATH&151 is strongly recommended in the first year for most transfer colleges.

SCHOLARSHIP INFORMATION

Central Washington University

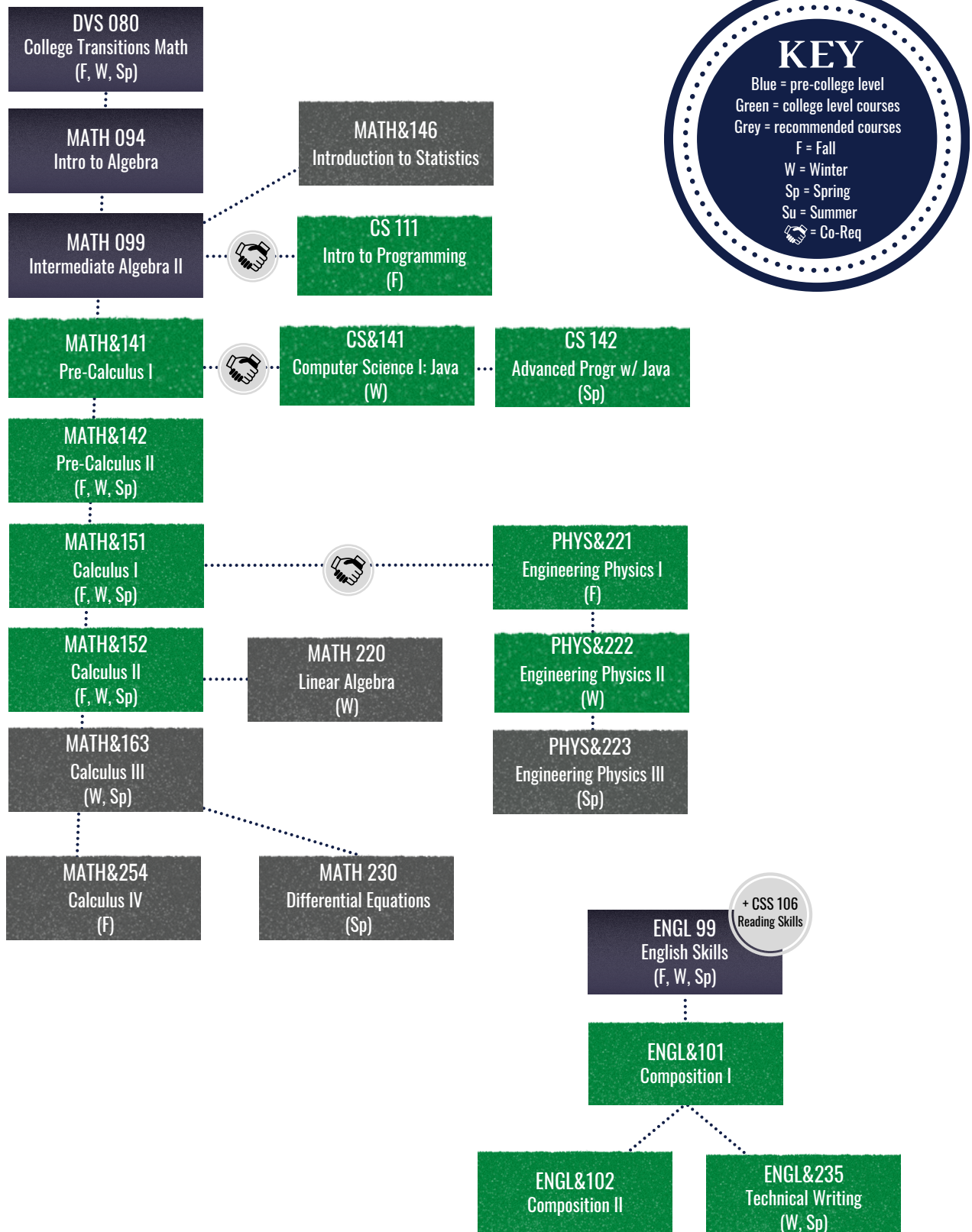
Washington State University

Eastern Washington University

University of Washington

Computer Science Pre-Requisite Flow Chart

Start by talking with an advisor to determine which courses to take first based on your placement scores.



My Education Plan

Name: _____

ID #: _____

 Quarter/Year	Quarter/Year
Quarter/Year	Quarter/Year
Quarter/Year	Quarter/Year

My Education Plan

Name: _____

ID #: _____

Quarter/Year

Quarter/Year

Quarter/Year

Quarter/Year

Quarter/Year

Quarter/Year



Suggested Schedule to Earn this Associate Degree

If the classes listed below don't fit your schedule or you're planning to start after fall quarter, work with an advisor to develop your specialized education plan.

Year One

Fall	Credits
• CS 111: Intro to Programming.....	5
• ENGL&101: English Composition I.....	5
• Humanities: Select with advisor.....	5
Winter	
• CS&141: Computer Science I: Java.....	5
• ENGL&102: English Composition II OR ENGL&235: Technical Writing.....	5
• MATH&151: Calculus I.....	5
Spring	
• CS 142: Advanced Programming with Java.....	5
• ECON&201: Micro Economics OR ECON&202: Macro Economics.....	5
• MATH&152: Calculus II.....	5

Year Two

Fall	
• Humanities: Select with advisor.....	5
• Major Core or University Specific Requirement.....	5
• Major Core or University Specific Requirement.....	5
• PHYS&221: Eng. Physics I w/Lab.....	5
Winter	
• PHYS&222: Eng. Physics II w/Lab.....	5
• Social Science: Select with advisor.....	5
• Elective Credits: Select with advisor.....	5
Spring	
• Humanities: Select with advisor.....	5
• Social Science: Select with advisor.....	5
• Elective Credits: Select with advisor.....	5