

BIG BEND COMMUNITY COLLEGE

STEM

COMPUTER SCIENCE – TRANSFER (AA&S DTA/ MRP)



Big Bend Community College offers the Associate of Arts and Sciences Computer Science DTA/MRP degree to prepare students for transfer 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.

A computer science bachelor's degree prepares students for high demand careers in Washington State including: software development, computer programming, and scientific computing.

Since programs differ at each transfer institution, students should consult program outlines at the college or university they plan on transferring to. Students should prepare their quarterly schedules with the assistance of an advisor who is knowledgeable about the program and the requirements of the destination college.

ENTRY REQUIREMENTS

- Complete BBCC Admissions process
- Complete English and Math placement process
- Meet with Computer Science advisor to develop a professional development plan.

Associate of Arts and Science Computer Science DTA/ MRP REQUIREMENTS

Computer Science Program Breadth and Major Requirements (65 Credits)

COMMUNICATIONS (10)

- ENGL& 101 – English Composition I (5)
- ENGL& 235 – Technical Writing (5)
- OR
- ENGL&102 – English Composition II (5)

MATH SCIENCE (25)

- MATH& 151 – Calculus I (5)
- MATH& 152 – Calculus II (5)
- MATH& 163 – Calculus 3 (5)
- PHYS& 221 – Engineering Physics I (5)
- PHYS& 222 – Engineering Physics II (5)

SOCIAL SCIENCES (15)

See transfer institution recommendations section. Must include at least two disciplines, no more than 10 credits in one discipline.

- _____
- _____
- _____

HUMANITIES (15)

See transfer institution recommendations section. At least two disciplines. No more than 5 credits in 100 level foreign language. Maximum of 5 humanities performance/skill credits may be applied to breadth.

- _____
- _____
- _____

Computer Science Program Major Requirements and Electives (30 Credits)

PROGRAMMING CORE (10)

- CS& 131 Computer Science I: C++ (5) (WSU)
- OR
- CS& 141 Computer Science I: Java (5) (CWU)

- CS 132 Advanced Programming with C++ (5) (WSU)
- OR
- CS 142 Advanced Programming with Java (5) (CWU)

COMPUTER SCIENCE ELECTIVES (20)

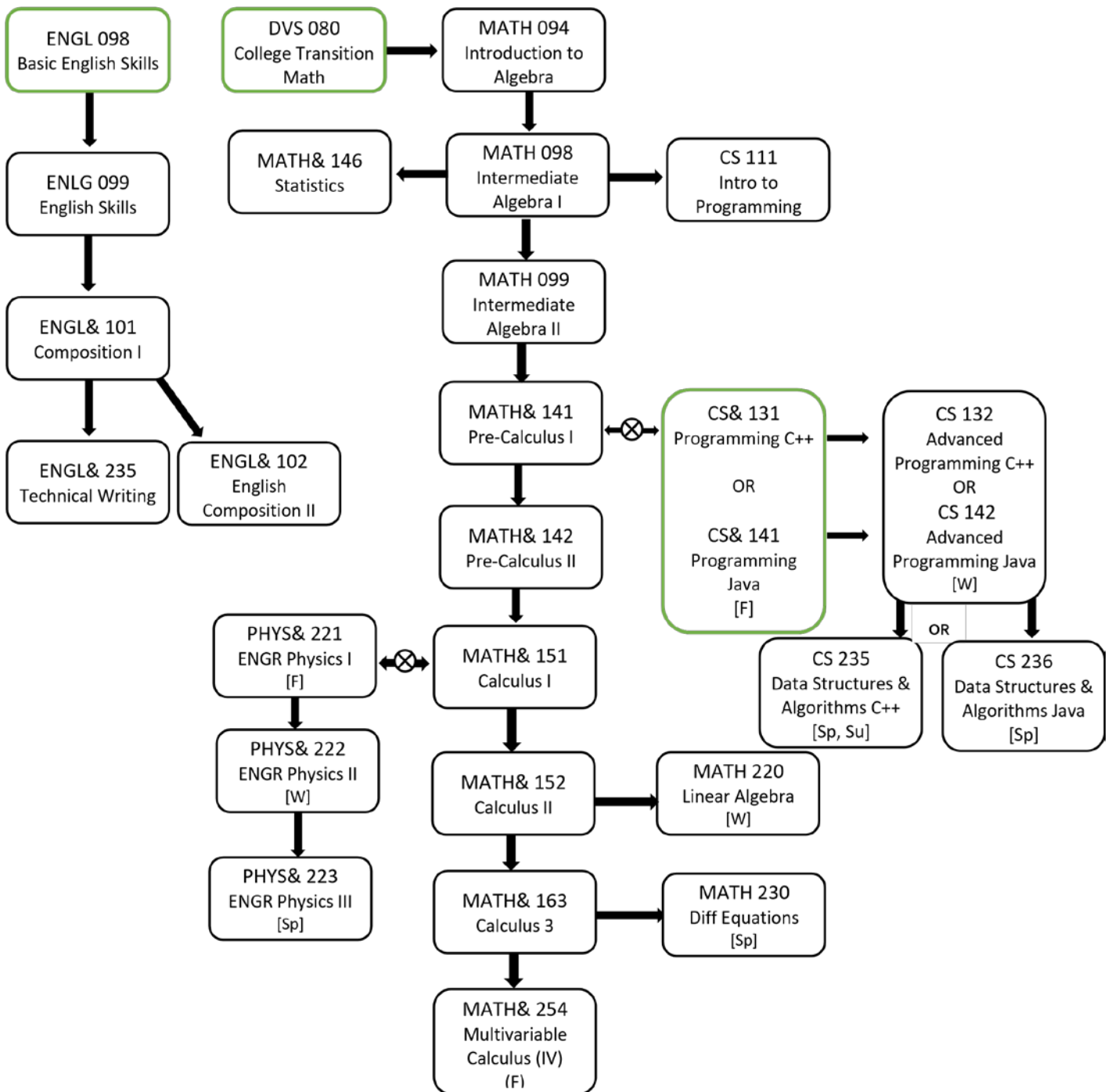
Choose four based on university requirements

- CS 111 – Introduction to Programming (5)
- CS 235 – Data Structures & Algorithms C++ (5)
- CS 236 Data Structures & Algorithms Java (5)
- MATH& 146 – Statistics (5)
- MATH 220 – Linear Algebra (5)
- MATH 230 – Differential Equations (5)
- MATH& 254 – Multivariable Calculus IV (5)
- PHYS& 223 – Engineering Physics III with Lab (5)

95 TOTAL DEGREE CREDIT

Associate of Arts & Sciences Computer Science DTA/ MRP PRE-REQUISITE FLOW CHART

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



Courses WITHOUT PRE-requisites
Social Science and Humanities Courses

KEY

STARTING POINT of SEQUENCE

PRE-requisite

CO-requisite

[F = fall W = winter Sp = spring Su = summer]

**STARTING WITH PLACEMENT AT PRE-CALCULUS
QUARTERLY PROGRAM PLAN (YEAR ONE)**

FALL (15 CR)	WINTER (20 CR)	SPRING (15 CR)
MATH& 141 ENGL& 101 CS 111 (or CS elective)	MATH& 142 CS& 131 OR 141 ENGL& 235 or 102 Humanities/ Social Science	MATH& 151 CS 132 OR 142 Humanities/ Social Science
ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> BCC Foundation scholarship app <input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Meet with your advisor <input type="checkbox"/> Join STEM Peer-Mentoring	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Begin transfer college campus visits <input type="checkbox"/> Apply for STEM Peer-Mentoring Scholarship	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Continue transfer college visits

QUARTERLY PROGRAM PLAN (YEAR TWO)

FALL (20 CR)	WINTER (20 CR)	SPRING (15 CR)
MATH& 152 PHYS& 221 MATH& 146 (or CS elective) Humanities/ Social Science	MATH& 163 PHYS& 222 Math 220 (or CS elective) Humanities/ Social Science	PHYS& 223 (or CS elective) Humanities/ Social Science Humanities/ Social Science
ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Meet with your advisor <input type="checkbox"/> Apply to transfer institutions	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Select transfer institution/ meet with an advisor there to review credit evaluation	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Apply for graduation <input type="checkbox"/> Graduate!

NAME: _____

SID: _____

**STARTING WITH PLACEMENT BELOW PRE-CALCULUS
QUARTERLY PROGRAM PLAN (YEAR ONE)**

FALL (15 CR)	WINTER (15 CR)	SPRING (15 CR)
ENGL 099 MATH 094-099 Humanities/ Social Science	ENGL& 101 MATH 094-099 Humanities/ Social Science	MATH& 141 CS 111 (or CS elective) ENGL& 235 or 102
ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> BCC Foundation scholarship app <input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Join STEM Peer-Mentoring <input type="checkbox"/> Meet with your advisor	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Apply for STEM Peer-Mentoring Scholarship	<input type="checkbox"/> Assess program plan with advisor

NAME: _____

QUARTERLY PROGRAM PLAN (YEAR TWO)

FALL (15 CR)	WINTER (15 CR)	SPRING (15 CR)
MATH& 142 CS& 131 or 141 MATH& 146 (or CS elective)	MATH& 151 CS 132 OR 142 Humanities/ Social Science	MATH& 152 CS 235 (or CS elective) Humanities/ Social Science
ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> BCC Foundation scholarship app <input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Meet with your advisor	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Begin transfer college campus visits <input type="checkbox"/> Apply for STEM Peer-Mentoring Scholarship	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Continue transfer college visits

SID: _____

QUARTERLY PROGRAM PLAN (YEAR THREE)

FALL (15 CR)	WINTER (15 CR)	SPRING (CR)
MATH& 163 PHYS& 221 Humanities/ Social Science	PHYS& 222 MATH 220 (or CS elective) Humanities/ Social Science	
ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Meet with your advisor <input type="checkbox"/> Apply to transfer institutions <input type="checkbox"/> Select transfer institution/ meet with an advisor there to review credit evaluation	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Apply for graduation	<input type="checkbox"/> Graduate!

NAME: _____

SID: _____

Transfer School Social Science and Humanities Recommendations

Central Washington University

<p>Recommended Humanities CMST& 220 Public Speaking ENGL& 235 Technical Writing PHIL& 120 Symbolic Logic PHIL 210 Ethics</p>	<p>Recommended Social Science ECON& 201 Micro Economics ECON& 202 Macro Economics PSYC& 100 General Psychology SOC& 101 Introduction to Sociology</p>
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Eastern Washington University

<p>Recommended Humanities (one DIV & one INT course required) CMST& 220 Public Speaking ENGL& 102 English Composition 2 (required) ENGL 261 Women’s Literature HUM 214 Diversity Issues: Race, Class, and Gender (DIV) PHIL 210 Ethics (required) SOC& 210 Social Problems (INT) REL 201 World Religions (INT)</p>	<p>Recommended Social Science ECON& 201 Micro Economics ECON& 202 Macro Economics HIST 121 History of Mexico (INT) HIST& 219 Native American History (DIV) PHIL& 120 Symbolic Logic POLS& 203 International Relations (INT) PSYC& 100 General Psychology SOC& 101 Introduction to Sociology</p>
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Washington State University

<p>Recommended Humanities CMST& 220 Public Speaking ENGL& 235 Technical Writing (Pullman) (required) PHIL 210 Ethics PHIL& 120 Symbolic Logic (required)</p>	<p>Recommended Social Science ECON& 201 Micro Economics OR ECON& 202 Macro Economics (required) PSYC& 100 General Psychology SOC& 101 Introduction to Sociology</p>
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**QUARTER;U REGISTRATION PLANNING
 WORK WITH YOUR ADVISOR IN DEVELOPING YOUR CUSTOMIZED ACADEMIC PLAN**

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER			REGISTRATION ACCESS CODE _____		
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

**QUARTER;U REGISTRATION PLANNING
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CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

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CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

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CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

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