

BRIDGES, Coordinated Bachelor's Degree Program 2011 – 2012 Plan of Study

B.A. in Computer Science Direct Bachelor's Option

This guide has been prepared for students seeking a **Bachelor of Arts in Computer Science**, beginning at Columbia Basin College and finishing at Washington State University Tri-Cities. The guide allows students to meet WSU General Education Requirements (GERs) and departmental-specific requirements in the WSU catalog. **This Plan of Study is intended as a guide for both students and counselors/advisors to use together.**

2 Year Plan

Year 1 (CBC courses and credits)

Fall Quarter (15 credits)

- _____ ENGL& 101 – English Composition I [W]
- _____ MATH 147^{3,4} – Finite Math [N]
- _____ Social Science² [S,K] or Arts and Humanities Elective² [H,G]

Winter Quarter (15 credits)

- _____ MATH& 148^{3,4} – Business Calculus [N]
- _____ PHI 121 – Symbolic Logic [H]
- _____ Lab Science² [B,P]

Spring Quarter (20 credits)

- _____ MATH& 146^{3,4} – Introduction to Stats
- _____ SOC& 101 – Introduction to Sociology (recommended) [S, D]
- _____ Science Elective² [B,P]
- _____ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]

Year 2 (CBC courses and credits)

Fall Quarter (15 credits)

- _____ Laboratory Science Sequence¹ [B,P]
- _____ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]
- _____ CS 131³ – Computer Science I C++1

Winter Quarter (15 credits)

- _____ CS 162³ – C++2
- _____ Laboratory Science Sequence¹ [B,P]
- _____ Intercultural Studies² [I,G,K]

Spring Quarter (15 credits)

- _____ MATH 246^{3,4} – Discrete Structures
- _____ CS 260³ – Data Structures in C++
- _____ Laboratory Science Sequence¹ [B,P]

Total Number Credits: 95 (Additional prerequisite or proficiency courses may be required)

Endnote Explanations

1. Science Laboratory sequence courses at CBC: PHYS& 121, 122, 123 plus labs; CHEM& 161, 162, 163 plus labs; or BIOL& 211, 212, 213 plus labs.
2. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.
3. Course must be completed with a grade of C (2.0 grade point average) or better.
4. CBC Math courses, MATH& 151, 152, 153, 146 and MATH 243 can be substituted for the MATH& 148, 146 and MATH 147 math elective.

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B.A. in Computer Science

AA (DTA) Option

As you pursue a **Bachelor of Arts in Computer Science** you may obtain an Associate of Arts and Science Degree (Direct Transfer Agreement) from CBC as well as complete lower-division major requirements and some WSU College of Liberal Arts requirements. The Direct Transfer Agreement (DTA) satisfies Washington State University's lower-division General Education Requirements (GERs). **This Plan of Study is a guide for both students and counselors/advisors to use together.**

AA Plan

The following shows how you can include the lower-division required classes in the AA(DTA) degree. Use this as a **guide** in planning the first two years of study at CBC which will lead to the completion of the AA(DTA) degree while fulfilling lower-division requirements for the bachelor's degree.

Communications (13 – 15 credits)

- _____ ENGL& 101 – English Composition I
- _____ ENGL& 102 or 235 – English Composition II or Technical Writing
- _____ Communication Studies²

Math Proficiency (See DTA requirements)

Quantitative/Symbolic Reasoning (5 credits)

- _____ MATH& 148^{3,4} - Business Calculus

Humanities² (15 credits)

- _____ _____
- _____ _____
- _____ _____

Social & Behavioral Sciences² (15 credits)

- _____ SOC& 101 – Introduction to Sociology (Recommended)
- _____ _____
- _____ _____

Mathematical & Natural Science (15 credits)

- _____ Natural Science _____
- _____ Laboratory Science Sequence¹ _____
- _____ MATH& 146^{3,4} – Introduction to Stats

Health and Physical Education² (3 credits)

- _____ _____

AA (DTA) Electives (40 credits)

Courses listed are required for the BA and will count as AA (DTA) electives.

- _____ PHI 121– Symbolic Logic [H]
- _____ Laboratory Science Sequence¹ _____
- _____ Laboratory Science Sequence¹ _____
- _____ MATH 147^{3,4} – Finite Math
- _____ MATH 246^{3,4} – Discrete Structures
- _____ CS 162³ – C++2
- _____ CS 260³ – Data Structures in C++
- _____ CS 131³ – Data Structures in C++ 1

Total Number of Credits: 106-108 (Additional prerequisite or proficiency courses may be required)

Endnote Explanations

1. Science Laboratory sequence courses at CBC: PHYS& 121, 122, 123 plus labs; CHEM& 161, 162, 163 plus labs; or BIOL& 211, 212, 213 plus labs.
2. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.
3. Course must be completed with a grade of C (2.0 grade point average) or better.
4. CBC Math courses, MATH& 151, 152, 153, 146 and MATH 243 can be substituted for the MATH& 148, 146 and MATH 147 math elective.