

**BRIDGES, Coordinated Bachelor's Degree Program    2010-2011 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 to use together.**

**2 Year Plan**

**Year 1 (CBC courses and credits)**

**Fall Quarter (15 credits)**

- \_\_\_\_\_ ENGL& 101 – English Composition I [W]
- \_\_\_\_\_ MATH 147<sup>3,4</sup> – Finite Math [N]
- \_\_\_\_\_ Social Science<sup>2</sup> [S,K] or Arts and Humanities Elective<sup>2</sup> [H,G]

**Winter Quarter (15 credits)**

- \_\_\_\_\_ MATH& 148<sup>3,4</sup> – Business Calculus [N]
- \_\_\_\_\_ PHI 121 – Symbolic Logic [H]
- \_\_\_\_\_ Lab Science [B,P]

**Spring Quarter (20 credits)**

- \_\_\_\_\_ MATH& 146<sup>3,4</sup> – Introduction to Stats
- \_\_\_\_\_ SOC& 101 – Introduction to Sociology (recommended) [S, D]
- \_\_\_\_\_ Science Elective [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 Sequence <sup>1</sup> [B,P]
- \_\_\_\_\_ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]
- \_\_\_\_\_ CS 130 – Computer Science I C++

**Winter Quarter (15 credits)**

- \_\_\_\_\_ CS 162<sup>2</sup> – C++2
- \_\_\_\_\_ Laboratory Science Sequence <sup>1</sup> [B,P]
- \_\_\_\_\_ Intercultural Studies [I,G,K]

**Spring Quarter (15 credits)**

- \_\_\_\_\_ MATH 246<sup>3,4</sup> – Discrete Structures
- \_\_\_\_\_ CS 260<sup>2</sup> – Data Structures in C++
- \_\_\_\_\_ Laboratory Science Sequence <sup>1</sup> [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.

**BRIDGES, Coordinated Bachelor's Degree Program    2010-2011 Plan of Study**

**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) degree satisfies Washington State University's lower-division General Education Requirements (GERs). **This Plan of Study is a guide for both students and counselors 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
- \_\_\_\_\_ Speech Course<sup>2</sup>

**Math Proficiency**    (See DTA requirements)

**Quantitative/Symbolic Reasoning**    (5 credits)

- \_\_\_\_\_ MATH& 148<sup>3,4</sup> - Business Calculus

**Humanities<sup>2</sup>**    (15 credits)

- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_

**Social & Behavioral Science<sup>2</sup>**    (15 credits)

- \_\_\_\_\_ SOC& 101 – Introduction to Sociology (Recommended)
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_

**Mathematical & Natural Science**    (15 credits)

- \_\_\_\_\_ Natural Science \_\_\_\_\_
- \_\_\_\_\_ Laboratory Science Sequence<sup>1</sup> \_\_\_\_\_
- \_\_\_\_\_ MATH& 146<sup>3,4</sup> – Introduction to Stats

**Health and Physical Education<sup>2</sup>**    (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 Sequence<sup>1</sup> \_\_\_\_\_
- \_\_\_\_\_ Laboratory Science Sequence<sup>1</sup> \_\_\_\_\_
- \_\_\_\_\_ MATH 147<sup>3,4</sup> – Finite Math
- \_\_\_\_\_ MATH 246<sup>3,4</sup> – Discrete Structures
- \_\_\_\_\_ CS 162<sup>3</sup> – C++<sup>2</sup>
- \_\_\_\_\_ CS 260<sup>3</sup> – Data Structures in C++

**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.