Columbia Basin College

WASHINGTON STATE UNIVERSITY TRI-CITIES

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

B.S. in Computer Science — Direct Bachelor's Option

This guide has been prepared for students seeking a **Bachelor of Science 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& 151[1] – Calculus I [N]
_____ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]

Winter Quarter *(20 credits)*

_____ MATH& 152[1] – Calculus II [N]
_____ PHI 121 – Symbolic Logic [H]
_____ BIO Science [B]
_____ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]

Spring Quarter *(15 credits)*

_____ ECON& 201 – Micro Economics (recommended) [S]
_____ MATH&153[1] – Calculus III [N]
_____ SOC& 101 – Introduction to Sociology (recommended) [S, D]
_____ Intercultural Studies

Year 2 *(CBC courses)*

Fall Quarter *(15 credits)*

_____ MATH& 254 – Calculus IV
_____ PHY& 221, 231[1] – Engineering Physics I w/ lab
_____ CS 131[1] – Data Structures in C++1

Winter Quarter *(15 credits)*

_____ MATH 243[1] – Linear Algebra
_____ PHY& 222, 232[1] – Engineering Physics II w/ lab
_____ CS 162[1] – C++2

Spring Quarter *(15 credits)*

_____ MATH 246[1] – Discrete Structures
_____ PHY& 223, 233[1] – Engineering Physics III w/ lab
_____ CS 260[1] – Data Structures in C++2

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

Endnote Explanations

1. Course must be completed with a grade of C (2.0 grade point average) or better.
2. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.

Columbia Basin College

WASHINGTON STATE UNIVERSITY TRI-CITIES

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

B.S. in Computer Science — AA (DTA) Option

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AA Plan

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[2]

Math Proficiency *(See DTA requirements)*

_____ _____

Quantitative/Symbolic Reasoning *(5 credits)*

_____ MATH& 151[1] – Calculus I

Humanities[2] *(15 credits)*

_____ _____
_____ _____
_____ _____

Social & Behavioral Science[2] *(15 credits)*

_____ SOC& 101 – Introduction to Sociology (Recommended)
_____ ECON& 201 – Micro Economics (Recommended)
_____ _____

Natural Science *(15 credits)*

_____ PHY& 221, 231 – Engineering Physics I w/ lab
_____ PHY& 222, 232[1] – Engineering Physics II w/ lab
_____ MATH& 152[1] – Calculus II

Health and Physical Education[2] *(3 credits)*

_____ _____

AA (DTA) Electives *(45 credits)*

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

_____ PHI 121– Symbolic Logic [H]
_____ MATH& 153[1] – Calculus III
_____ MATH& 254[1] – Calculus IV
_____ MATH 243[1] – Linear Algebra
_____ MATH 246[1] – Discrete Structures
_____ PHY& 223, 233 – Engineering Physics III w/ lab
_____ CS 162[1] – C++2
_____ CS 131[1] – Data Structures in C++1
_____ CS 260[1] – Data Structures in C++2

Total Number of Credits: 111-113 (Additional prerequisite or proficiency courses may be required)

Endnote Explanations

1. Course must be completed with a grade of C (2.0 grade point average) or better.
2. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.