

**B.S. in General Mathematics**

**Direct Bachelor's Option**

This guide has been prepared for students seeking a **Bachelor of Science in General Mathematics**, 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. This is only a suggested outline and can be tailored to an individual student's needs.**

**2 Year Plan**

Year 1 (CBC courses)

**Fall Quarter (20 credits)**

- \_\_\_\_\_ ENGL& 101 – English Composition I [W]
- \_\_\_\_\_ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]
- \_\_\_\_\_ Arts & Humanities<sup>1,4</sup> [H,G]
- \_\_\_\_\_ MATH& 151 – Calculus I [N]

**Winter Quarter (20 credits)**

- \_\_\_\_\_ CMST& 220, ENGL& 102 or ENGL& 235 – Public Speaking, English Composition II, or Technical Writing [C,W]
- \_\_\_\_\_ HIST& 126, 127 or 128 – World Civilization series (choose one) [A]
- \_\_\_\_\_ SOC& 101 – Introduction to Sociology [S,D]
- \_\_\_\_\_ MATH& 152 – Calculus II

**Spring Quarter (15 credits)**

- \_\_\_\_\_ Biological Science<sup>1</sup> w/ lab [B]
- \_\_\_\_\_ Intercultural Studies<sup>1</sup> [I,G,K]
- \_\_\_\_\_ MATH& 153 – Calculus III

Year 2 (CBC courses)

**Fall Quarter (15 credits)**

- \_\_\_\_\_ Physical Science<sup>1</sup> w/ lab [P]
- \_\_\_\_\_ Social Science<sup>1,4</sup> [S,K] or Arts and Humanities Elective<sup>1,4</sup> [H,G]
- \_\_\_\_\_ MATH& 254 – Calculus IV

**Winter Quarter (15 credits)**

- \_\_\_\_\_ Biological or Physical Science<sup>1,3</sup> [B,P]
- \_\_\_\_\_ Social Science<sup>1,4</sup> [S,K] or Arts and Humanities Elective<sup>1,4</sup> [H,G]
- \_\_\_\_\_ MATH 243 – Linear Algebra

**Spring Quarter (15 credits)**

- \_\_\_\_\_ Biological or Physical Science<sup>1,3</sup> [B,P]
- \_\_\_\_\_ MATH 246 (Discrete Structures) or MATH 255 (Differential Equations)
- \_\_\_\_\_ Social Science<sup>1,4</sup> [S,K] or Arts and Humanities Elective<sup>1,4</sup> [H,G]

**Total Number Credits: 100** (Additional prerequisite or proficiency courses may be required<sup>2</sup>)

**Endnote Explanations**

1. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.
2. The degree programs within the College of Sciences require that a student has taken either two years of the same foreign language in high school, or two quarters or two semesters of the same foreign language at the college level.
3. The degree programs within the College of Sciences have specific science requirements which include a total of four science courses. Two of the science courses need to include labs (more than two lab science courses can be taken if desired).
4. See a WSU Tri-Cities academic advisor for assistance in choosing lower division courses for the concentration area within the degree.

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

**B.S. in General Mathematics**

**AA (DTA) Option**

As you pursue a **Bachelor of Science in General Mathematics** 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 Science 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**

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 Studies

**Math Proficiency** (see DTA requirements)

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

- \_\_\_\_\_ MATH& 151 – Calculus I

**Humanities**<sup>1,2,4</sup>    (15 credits)

- \_\_\_\_\_ (foreign language)<sup>2</sup>
- \_\_\_\_\_
- \_\_\_\_\_

**Social & Behavioral Sciences**<sup>1,4</sup>    (15 credits)

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

**Mathematical & Natural Science**<sup>3</sup>    (15 credits)

- \_\_\_\_\_ w/ lab
- \_\_\_\_\_ w/ lab
- \_\_\_\_\_

**Health & Physical Education**    (3 credits)

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**AA (DTA) Electives**    (25 credits)

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

- \_\_\_\_\_ MATH& 152 – Calculus II
- \_\_\_\_\_ MATH& 153 – Calculus III
- \_\_\_\_\_ MATH& 254 – Calculus IV
- \_\_\_\_\_ MATH 243 – Linear Algebra
- \_\_\_\_\_ MATH 246 (Discrete Structures) or MATH 255 (Differential Equations)

**Total Number of Credits: 91-93** (Additional prerequisite or proficiency courses may be required<sup>2</sup>)

**Endnote Explanations**

1. Choose courses from Columbia Basin College's AA Direct Transfer Agreement listing.
2. Students can use one foreign language class in the Humanities and two foreign language classes in the elective area if needed. The degree programs within the College of Sciences require that a student has taken either two years of the same foreign language in high school, or two quarters or two semesters of the same foreign language at the college level.
3. The degree programs within the College of Sciences have specific science requirements which include a total of four science courses. Two of the science courses need to include labs (more than two lab science courses can be taken if desired).
4. See a WSU Tri-Cities academic advisor for assistance in choosing lower division courses for the concentration area within the degree.