

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

B.S. in Electrical Engineering Direct Bachelor's Option

This guide has been prepared for students seeking a **Bachelor of Science in Electrical Engineering**, 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 One (CBC Courses and credits)

Fall Quarter (15 credits)

- _____ ENGL& 101¹ – English Composition I [W]
- _____ MATH& 151¹ – Calculus I [N]
- _____ CHEM& 161¹ – General Chemistry I w/ lab

Winter Quarter (15 credits)

- _____ MATH& 152¹ – Calculus II [N]
- _____ BIOL& 100 – Survey of Biology w/ lab [B]
- _____ HIST& 126, 127 or 128 – World Civilization series [A]

Spring Quarter (15 credits)

- _____ MATH& 153¹ – Calculus III [N]
- _____ CS& 131¹ – Computer Science I C++
- _____ HIST& 126, 127 or 128 – World Civilization series [A]

Year Two (CBC Courses and credits)

Fall Quarter (20 credits)

- _____ MATH& 254¹ – Calculus IV
- _____ PHYS& 221, 231¹ – Engineering Physics I w/ lab
- _____ ECON& 201 or 202 – Micro Economics or Macro Economics [S]
- _____ CS 162¹ – C++2

Winter Quarter (20 credits)

- _____ MATH 243² – Linear Algebra
- _____ PHYS& 222, 232¹ – Engineering Physics II w/ lab
- _____ ENGR& 214² – Statics
- _____ CS 260¹ – Data Structures in C++

Spring Quarter (15 credits)

- _____ PHYS& 223, 233¹ – Engineering Physics III w/ lab
- _____ MATH& 255² – Differential Equations
- _____ ENGR& 215 – Dynamics

Total Number of Credits: 100 (Additional prerequisite or proficiency courses may be required)

Endnote Explanations

1. These courses are required for certification into the BSEE program and must be completed with a grade of C (2.0) or better
2. These courses must be completed with a grade of C (2.0) or better.