Associate in Computer Science DTA/MRP

Big Bend Community College offers the Associate in Computer Science DTA/MRP degree to prepare students for transfer to a four-year university and complete a bachelor’s degree in Computer Science. Graduates may be able to transfer with junior status with all or most prerequisites for the computer science major completed.

A computer science bachelor’s degree prepares people to work in careers such as software development, computer programming, and computer systems analysis. These careers are in high demand in Washington State.

Since programs differ at each college, students should consult program outlines in the catalog of the college or university to which they plan to transfer. Students should prepare their quarterly schedules with the assistance of an advisor knowledgeable in the transfer area and the requirements of the destination college or university.

Program prerequisite:

• Complete BBCC admissions process

• Complete English and math placement tests

• Meet with the CS program advisor to develop a professional development plan

• MATH&141 Pre-Calculus I and MATH&142 Pre-Calculus II

The following recommended courses prepare students for most baccalaureate institutions. Degree Requirements will vary with each transfer college.

**Program Major Requirements:**

* See advisor for university-specific requirements
* Any course without an & requires approval
* Other classes may be accepted or substituted with approvals

CS&131 Computer Science I: C++ (WSU Tri-cities) 5

or

CS&141 Computer Science I: Java (CWU, Heritage, UW) 5

CS132 Advanced Programming with C++ (WSU Tri-cities) 5

or

CS142 Advanced Programming with Java (CWU, Heritage, UW) 5

CS111 Intro to Programming (CWU, UW-Tacoma w/Java class) 5

CS235 Data Structures & Algorithms (CWU) 5

Computer Science Elective 5

**Math and English**

* See advisor for university-specific requirements
* Other classes may be accepted or substituted with approvals
* Any course without an & requires approval

MATH&151 Calculus I 5

MATH&152 Calculus II 5

MATH&163 Calculus 3 (WSU) 5

OR MATH&153 AND MATH&254 (WSU) 10

MATH&146 Statistics (CWU, Heritage, UW-Bothell) 5

MATH&220 Linear Algebra (EWU) 5

MATH230 Differential Equations (Gonzaga) 5

MATH&254 Calculus IV (Gonzaga, WSU) 5

ENGL&101 English Composition I 5

ENGL&235 Technical Writing 5

OR

ENGL&102 English Composition II (EWU) 5

Gonzaga, Heritage, and WSU require a Discreet Math (Structures) prerequisite that is not currently offered at Big Bend Community College.

**Science Requirements**

ENGR 202 Design of Logic Circuits (EWU) 5

PHYS&221 Eng. Physics I w/Lab 5

PHYS&222 Eng. Physics II w/Lab 5

PHYS&223 Eng. Physics III w/Lab

(Gonzaga, Heritage, Whitworth, WSU, WWU) 5

**Suggested Humanities and Social Science Requirements**

* At least two disciplines, or more than 10 credits in one discipline
* See advisor for university-specific requirements
* Any course without an & requires approval
* Other classes may be accepted or substituted with approvals

**Humanities**

CMST&210 Interpersonal Communications 5

PHIL&120 Symbolic Logic (Gonzaga, WSU) 5

PHIL120 Ethics (EWU) 5

**Social Sciences**

ECON&201 Micro Economics (WSU-Vancouver) 5

OR

ECON&202 Macro Economics (WSU-Vancouver) 5

PSYC& 100 General Psychology 5

SOC&101 Intro to Sociology 5

 **Total 95 credits\***

**\*Some universities may require more classes to meet prerequisites.**