Computer Science & Information Systems

Offered at all campuses

The Associate in Applied Science in Computer Science and Information Systems degree programs are intended to qualify individuals for entry-level positions in computer-related industry.

A.A.S. Computer Science and Information Systems

CCNP ................................................... 65-71 Credits
CISCO ................................................. 65-71 Credits
Cyber Security ..................................... 69-73 Credits
Software Development ........................ 64-70 Credits
Systems Administration & Engineering ............................. 64-70 Credits
Web Technologies ................................. 64-70 Credits

Certiﬁcates

CCNA and CCNP................................. 29 Credits
CCNA and Security............................... 24 Credits
CCNA and Technology.......................... 32 Credits
Cisco Academy................................. 17 Credits
Software Development ......................... 37 Credits
Systems Administration & Engineering ............................. 37 Credits
Web Technologies ................................. 37 Credits

* Some programs are only offered at one campus. Please see an advisor for more information.

A.A.S. Computer Science and Information Systems: CCNP

COLL 100 First Year Seminar .......................... 1

General Education Requirements Credits Semester Prerequisites
ENGL 101 Composition & Reading I 3 ENGL 30/90 or appropriate placement score
HIST 120 United States History to 1865 or
HIST 121 United States History Since 1865 3
POLS 135 Introduction to Political Science or
POLS 136 Introduction to American National Politics or
POLS 137 Introduction to State and Local Politics
MATH 110 Intermediate Algebra or higher Mathematics course 3 MATH 40/40L or appropriate placement score
COMM 100 Fundamentals of Speech or
COMM 102 Fundamentals of Human Communications 3 ENGL 30/90 or appropriate placement score
Any course numbered 100 or above from the following disciplines:
ART, ANTH, ECON, ENGL, Foreign Language, GEOG (except 104 & 10 and GIS courses), HIST, HUMN, MUSI, PHIL, POLS, PSYC, SIGN, SOSC, SOCI, COMM/THEA

Any course numbered 100 or above from the following disciplines:
BIOL, CHEM, GEOG (104 & 110), GEOI, MATH 120 or above, PHYS

Total General Education Requirements 18

Speciﬁc Program Requirements Credits Semester Prerequisites
BSAD 120 Organizational Behavior 3
BSAD 221 Business Communications 3 ENGL 30/90 or appropriate placement score
CSIS 110 Information Technology Fundamentals 3
CSIS 115 Computer Concepts and Applications 3

Emphasis Area

CSIS 111 Microcomputer Hardware Concepts 3 CSIS 110
CSIS 112 Introduction to Networks CCNA I 4 CSIS 110
CSIS 113 Routing and Switching Essentials CCNA II 4 CSIS 112
CSIS 212 Scaling Networks CCNA III 4 CSIS 113
CSIS 213 Connecting Networks CCNA IV 4 CSIS 213
CSIS 216 Implementing Cisco IP Routing CCNP I 4 CSIS 213
CSIS 217 Implementing IP Switching CCNP II 4 CSIS 213
CSIS 218 Maintaining and Troubleshooting IP Networks: CCNP III 4 CSIS 216 and 217
CSIS 290 Field Competencies and Employment Strategies 3 Instructor approval

Total Credit Hours Required 65-71

Non-Degree Related Courses

Advisor/Counselor/Evaluator ____________________________ Date ________________________

____ Hrs Earned ______ MCC GPA ______ Hrs Enrolled _____ Hrs in Res _____ Hrs Needed

TO GRADUATE THE STUDENT MUST SUCCESSFULLY COMPLETE THE FOLLOWING:

Apply for Graduation ______ Additional courses to meet total credit hour requirement
Missouri Constitution Requirement (including current coursework)
Raise/Maintain GPA to 2.0 ______ Any course substitutions/waivers must be approved using
Additional courses to meet the 15 credit an “Student Exception to Graduation” form
hour residency requirement