CENTRAL
programs

Certificate, Credential,
Associate of Science and
Associate of Applied Science degree

Computer Science and Computer Technology

The Associate of Science degree program in Computer Science is for the student who wishes to pursue an interest in computer software design. Students in computer science study methods of formulating and solving problems with the aid of high-speed computers. In addition to numerical calculations, the field includes such topics as network analysis, graphics, modeling and simulation, parallel computation and artificial

CAREER OPTIONS:

The outlook is bright for information technology project managers and instruction designers. There will also be employment opportunities for computer and information systems managers, network systems and systems analysts and network designers. Teachers will also be needed.

Check out occupations and wages online:
http://onetcenter.org

CENTRAL Wyoming COLLEGE

2660 Peck Avenue
Riverton, Wyoming 82501
307.855.2119
email: admit@cwc.edu

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www.cwc.edu

intelligence. CWC provides the successful student a background of coursework aimed at facilitating transfer to a four-year institution for completion of a baccalaureate degree program.

Associate of Science Degree

General Education Requirements	**Credits**
Writing Level I (WR1)	3
Writing Level II (WR2)	3
American & Wyoming Government (POLS 1000)	3
ARTS	3
DIV	3
HUM	3
LSCI	(In program)
MATH	(In program)
ORAL	3
PEAC	1
SOC	3
UNST	1
WELL	1

Program Requirements

IMGT 2400	Introduction to Information Management	3
MATH 2200	Calculus I*	4
MATH 2205	Calculus II	5
PHYS 1310	College Physics I (LSCI)	4
PHYS 1320	College Physics II	4
STAT 2050	Fundamentals of Statistics	4
Students must select 11 credits from the following departments: CMAP, COSC, CSCO, MSFT		11
	General Electives	2
	Total	**64**

* Students who test into MATH 2200 will not have to take MATH 1400 but will need to take MATH 2200 as a prerequisite for MATH 2205.

COMPUTER TECHNOLOGY

The Associate of Applied Science degree in Computer Technology is designed for students who have minimal experience and knowledge of PC computer technology.

The general education requirements are designed to encourage students to develop critical and creative thinking, computation, and communication skills. The program requirements introduce students to the basic Cisco networking principles, CompTIA A+ hardware standards, a Microsoft Windows operating system and Microsoft Office suite software applications.

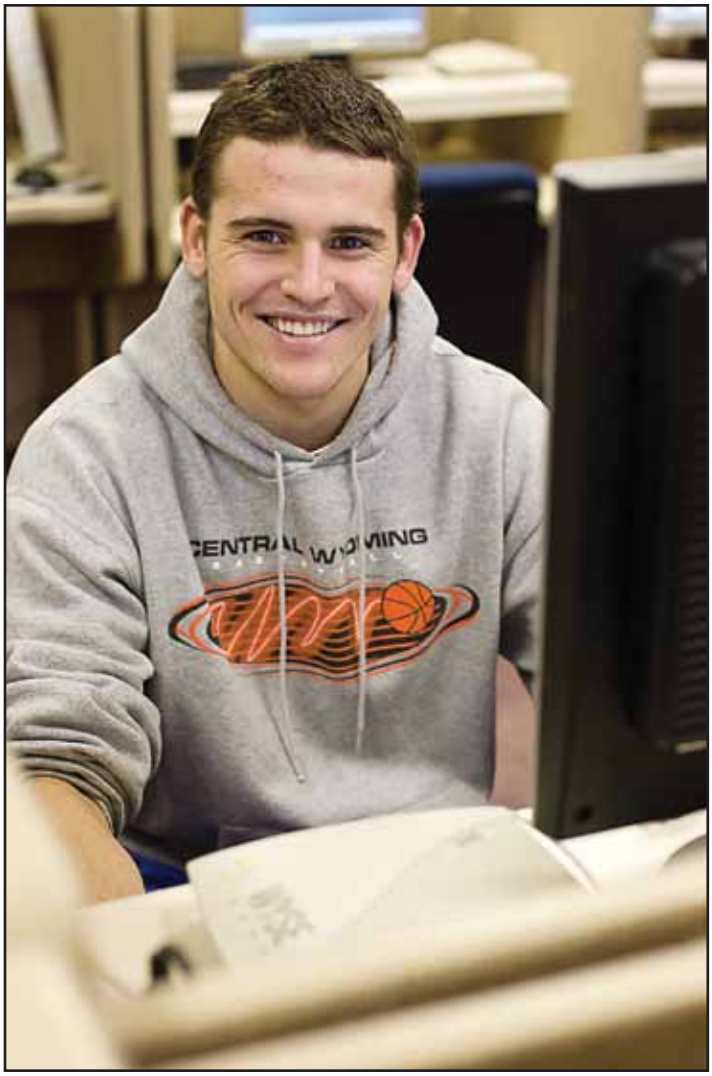
The program electives provide students with a blended knowledge of computer networking hardware/software, software design and a broad understanding of the Linux operating system.

Associate of Applied Science Degree

General Education Requirements	**Credits**
Writing Level I (WR1)	3
American & Wyoming Government (POLS 1000)	3
WR2/ARTS/DIV/HUM/IT/SOC	6
(Must come from two categories)	
ORAL	(In program)
MATH/APPM/LSCI	3
PEAC/UNST/WELL	1

Program Requirements

CMAP 1615	Operating Systems:*	3
CMAP 1920	Hardware Maintenance	4
CMAP 1725	Word Processing Apps*: OR	
MOUS 1725	Word Processing Apps*:	3
CMAP 1775	Spreadsheet Applications: OR	
MOUS 1775	Spreadsheet Applications:	3
CMAP 1815	Database Applications: OR	
MOUS 1815	Database Applications:	3
CO/M 2130	Human Relations (ORAL) OR	
MGT 2130	Human Relations (ORAL)	3



CPED	1000	Cooperative Work Experience I:	3
CSCO	2000	Cisco: Internetworking I	5
CSCO	2020	Cisco: Internetworking II	5
PFDV	1500	Managing Career Development	3

* Students who have limited or no computer experience must take CMAP 1680 before enrolling in CMAP 1615 or CMAP 1725.

Program Electives

Select 13 credits for the completion of Program Electives from the following course prefixes:

COSC/IMGT/MSFT or ART 1178 Digital Imaging I	13
Total	**64**

Certificate

The certificate program in Computer Technology is designed for students who have had previous coursework or work experience with PC computer technology. The general education requirements are designed to encourage students to develop computation and communication skills.

The program requirements introduce students to the basic CompTIA A+ hardware standards, multimedia applications and Windows operating system.

The program electives provide students with a blended knowledge of computer networking hardware/software, software design, Microsoft Office Suite software applications and a broad understanding of the Linux operating system.

General Education Requirements	**Credits**
Writing Level I (WR1)	3
MATH/APPM	3
PEAC	1
Program Requirements	
CMAP 1615 Operating Systems:*	3
CMAP 1920 Hardware Maintenance	4
CMAP 2510 Survey of Multimedia	3

* Students who have limited or no computer experience must take CMAP 1680 before enrolling in CMAP 1615.

Program Electives

Select 13 credits for the completion of Program Electives from the following course prefixes:

CMAP, COSC, CSCO, IMGT, MOUS, MSFT	13
Total	**30**

Credential

The Credential for Computer Technology is designed for students who have coursework in the computer field and/or work experience in the computer networking industry.

Students may select courses in computer networking hardware/software, software design, Microsoft Office Suite software applications and operating systems.

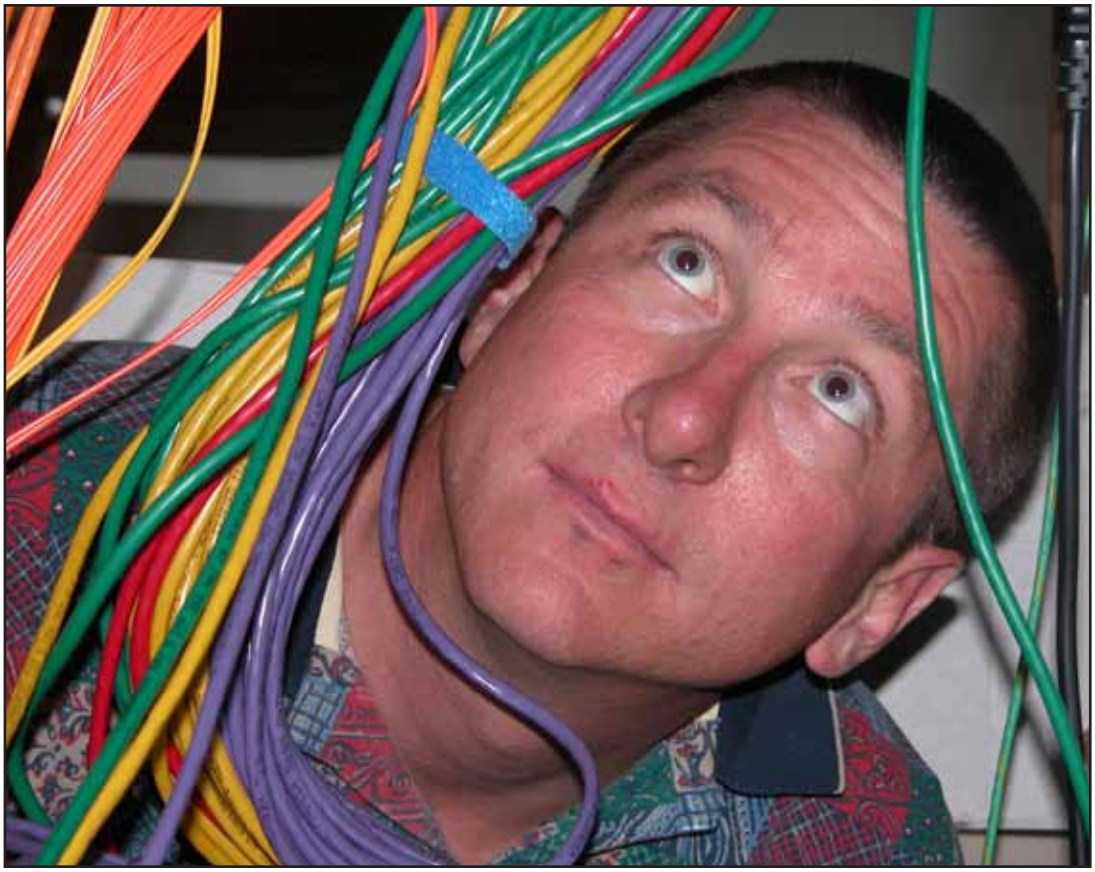
Students who choose this credential and are deficient in computer skills, theory, hardware, software/operating systems coursework may be required to take prerequisite coursework before enrolling in the Cisco or Microsoft certification courses.

Completion of the credential involves more than one semester.

COSC/CMAP/CSCO/MOUS/MSFT	15
Total	**15**

Transfer Information

CWC has an articulation agreement with the University of Wyoming for transfer. Students who transfer to UW with the Associate of Science (AS) degree and have a minimum of two three (3) credit college level math courses will be deemed to have met UW's lower division general education requirements.

Students planning to transfer to another four-year college or university are advised to obtain a catalog from the institution to which they wish to transfer. Using Central Wyoming College's catalog, along with the four-year institution's catalog and advisement information, the student will be able to make appropriate decisions for maximum transferability of his or her courses.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at http://www.cwc.edu/gainful-employment