ACCREDITATION EVIDENCE

Title: Commission Program Review

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Date: 2020-2021

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Wyoming Community College Commission
2020-2021 Academic Program Review Report

The Annual WCCC Academic Program Review Report is designed to provide condensed program information for the Wyoming Community College Commission (WCCC) in order to carry out WCCC's statutory review and oversight function as per W.S. 21-18-202 d(ii), which states:

> *Review existing programs, determine the most effective and efficient delivery of programs qualifying for state funding pursuant to the statewide community college system strategic plan and terminate state funding for those programs which are inconsistent with the statewide community college system strategic plan;*

The WCCC Academic Affairs Council (AAC) members designed this report by integrating information from the colleges' program review processes with additional current data along with other pertinent program-specific information. All of the community colleges' program review processes contain more review criteria than are reported to the WCCC members in this report.

The WCCC did a final review of the format of this report in 2013 and the first Annual WCCC Academic Program Review Report was created in the same year. For the report, all credit program or program cluster reviews are reported to the WCCC once every five years. This annual report is planned for distribution to the commissioners every year. The individual community colleges use a variety of internal review cycles. The review cycle length for some programs is influenced by program specific-accrediting agencies. The Annual WCCC Academic Program Review Report is comprised of two components:

Part A Each community college's Program Review Summary (Excel spreadsheet template) is for program reviews reported to the WCCC that academic year. This document contains yearly updated information to include the previous academic year.

Part B The Executive Overview of Program Review in Part B, is specific to each community college's program or a cluster of related programs. These program reviews include information from the most recent program review conducted. The community colleges include, at their discretion, information regarding: specialized accreditation, advisory committee actions, employment information, program improvements, student engagement, course grades, quality indicators, articulation agreements, retention rates, student outcomes, class size restrictions, faculty qualifications, sufficiency of resources, and/or capacity to improve/advance the program. However, these reviews are designed to be brief and to only address a few of these topics.

The complete report will be posted to the WCCC website under the "Annual Program Reviews" section of the Data Hub page. The 2021 academic program reviews or cluster of program reviews reported to the WCCC include:

- Natural Resources and Conservation
- Computer and Information
- Engineering
- Foreign Languages, Literatures, and Linguistics
- Biological and Biomedical Sciences
- Physical Sciences
- Construction Trades
- Precision Production

Executive Overview of Program Reviews

Casper College

***Name of program*: ENVSC.AS**
CIP Code(s): 03.0104
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Environmental Science A.S. degree program at Casper College is designed to prepare students for employment in entry-level roles in public or private organizations dealing with various aspects of our environment and natural resources. This is also a transfer degree program for those seeking a bachelor's degree in a related field. For students considering enrolling at the Haub School of Environment and Natural Resources at the University of Wyoming (UW), the Casper College program provides students with the first two years of UW's environmental science degree program.

***Name of program*: OUTDOOR.AS**

CIP Code(s): 03.0207
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid; Distance
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

An associate degree in Outdoor Recreation and Tourism connects people to the outdoors in one of the West's fastest-growing industries. Within the Casper College program, students gain an understanding of business, people, culture, environment and natural resources, recreation, and tourism--both in the classroom and in practice. The two-year curriculum is also designed to transfer to four-year institutions.

With the increase in visitors and revenue and with the addition to the bachelor's degree in Outdoor Recreation and Tourism offered by the University of Wyoming, Casper College is meeting the needs of our tourism partners educating the next generation of tourism professionals as they prepare for a vibrant and prosperous career in Wyoming.

Hospitality and tourism is the largest industry globally and the second largest industry here in Wyoming, generating almost $4 billion in consumer spending and hosting nearly 9.2 million overnight visitors in 2019. Additionally, the industry generated $203 million in tax revenue in 2019. That same year the state employed 32,000 hospitality and tourism professionals and according to the Bureau of Labor Statistics, this number will increase by 11% in Wyoming and 10% nationally by 2024. While the state saw a 20% drop in visitors, revenue, and employee salaries in 2020, the numbers for 2021 are currently trending to pre-pandemic numbers. Therefore, the need for highly educated professionals in the industry is relevant more today as Wyoming's tourism sector grows and expands.

***Name of program*: WILD.AS; WILDMGT.AS**

CIP Code(s): 03.0601
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Wildlife and Fisheries Biology and Management A.S. degrees provide students with the fundamental principles associated with wildlife and fisheries management. The degrees are designed to expose students to an array of experiences in the biological sciences, including plant and vertebrate biology in a variety of field settings, and access to a departmentally operated greenhouse and vertebrate museum. Applied, real-world applications are also provided that can lead to successful career opportunities or additional educational training transferable to four-year institutions.

***Name of program:* COSC.AS; COSC.BUS.AS**

CIP Code(s): 11.0201

Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The computer science program provides students with a solid foundation in programming in object-oriented, high-level languages and exposes students to the tools used in modern programming practice and to foundational concepts of computer science and computer architecture. This foundation serves as the first two years of a four-year bachelor's degree in computer science or a related field such as software engineering, computer engineering, or cyber security. The Bureau of Labor Statistics projects that 70% of all newly created jobs across all STEM fields during this decade will be in computer science. The average starting salary for a graduate in this field from a 4-year institution is $72,119. Work in computer science can frequently be done remotely, offering Wyoming residents an opportunity to live in Wyoming but work nationwide.

***Name of program*: WEB.AAS; WEB.CER; WEBDESIGN.AAS; WEBDESIGN.CER; WEBDEV.AAS**

CIP Code(s): 11.0801; 11.1004
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS; CER
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Web Design & Development was combined from two separate programs (Web Design and Web Development), into a single cohesive program to meet the needs of Wyoming companies. Small and medium-sized businesses need an individual who can both develop the back end of the website and create modern web pages. The Web Design & Development curriculum trains students to develop functional websites and design effective, accessible web pages. Web design is changing as more people access websites on mobile devices and as technology advances. For example, developers are redesigning websites that work well on computers but not on mobile devices.

According to the Bureau of Labor Statistics, web design and development is expected to grow 13% over the next decade. Also, many web designers work remotely, which makes the field an option for people, including those in rural communities, to work from home. CC's program is offered online, and students are employable with the certificate or Associate's degree. This makes the program a good fit for individuals who are retraining for a new career. As Wyoming seeks to attract more technology-oriented companies, web designers are a natural fit for expanding a tech-experienced workforce.

Casper College articulates web courses with Kelly Walsh High School. Other high schools in Casper and around the state offer web design courses, which introduce students to the field. This provides opportunities for partnership and collaboration with high schools. Further, web design can easily be stacked with other competencies such as business, accounting, cybersecurity or computer science.

***Name of program*: COMPSECURITY.AAS; COMPSECURITY.AS; COMPSECURITY.CER; CYBERSECURITY.AAS; CYBERSECURITY.AS; CYBERSECURITY.CER**

CIP Code(s): 11.1003
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS; AS; CER
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Cybersecurity issues impact every major industry in the world. This includes Wyoming's top three industries, energy, agriculture, and hospitality; as well as banking/finance, government, healthcare and education. In the digital era, public and private organizations rely on IT professionals. According to the Wyoming.gov Cybersecurity page: "The Chief Security Officer (CSO) aims to enhance statewide security and develop a cyber ready workforce. State of Wyoming agencies rely heavily on information technology to run their daily operations and deliver their services to the citizens of Wyoming. With the increasing dependency on IT, the growing complexity of state government's IT infrastructure, and the constantly changing information security threat and risk environment, information security has become a mission-critical function."

Further, the Department of Labor lists cybersecurity as a field that will grow faster than average for the next decade. There is a lack of IT professionals in the country and the state. Graduates from Casper College's Cybersecurity program can go on to earn bachelor's degrees in IT, data

analytics, database management or cyber forensics. Some students enter the workforce immediately after graduation and some join the military or go into law enforcement. CC's program meets a vital need for the state. This need will continue to increase as Baby Boom generation workers retire.

Casper College articulates classes with Kelly Walsh, which gives students the opportunity to explore careers in technology and get a head start on completing the program. Additional opportunities for partnerships and collaboration will train students for this challenging and important field

***Name of program*: ENGR.AS**

CIP Code(s): 14.0101
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Engineering degree at Casper College meets the needs of some short-term education goals for students to go out and get a job in the workforce. Most of the students getting this degree at Casper College go onto 4 year institutions such as University of Wyoming or South Dakota School Mines where the program transfers seamlessly for students

***Name of program*: LANG.AA; SPANISH.AA; ASL.AA**

CIP Code(s): 16.0101; 16.0905; 16.1601
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AA
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Associate of Arts degrees in languages will prepare students for transfer to four-year institutions across the nation and around the world in pursuit of a Bachelor of Arts degree in language, Linguistics or other baccalaureate programs. Upon completion, students may also

pursue interpreting certificates in a respective language. Students will complete the program having achieved intermediate-level language proficiencies as well as an understanding of cultural and historical contexts both within the U.S. and throughout the world. This degree may also complement other fields of study—as a double major—and prepare graduates to be more marketable in a global jobs arena. And in an increasingly diverse U.S. population, the need for languages other than English grows in countless fields of employment, including but not limited to, Engineering, Government, Business, Construction Management, Interpreting/Translation, Law, Health Care, Human Services, Law Enforcement, Education, Agriculture, and International Relations. In fact, one report found that 9 out of 10 U.S. employers rely on employees with language skills other than English. Moreover, 1 in 4 employers lost business due to a lack of language skills. Regardless of career path, these degrees will help graduates be more successful in a multilingual world.

***Name of program*: BIOL.AS**

CIP Code(s): 26.0101
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Biology A.S. degree at Casper College is intended for students who plan to continue their education beyond the associate degree. It provides a curriculum which is broad based in the biological sciences and helps students meet the requirements for a variety of other degree programs. It is the recommended major for students planning to pursue a 4-year biology degree on the Casper College campus via the University of Wyoming at Casper college program. It is also advised for students who desire to pursue baccalaureate and/or graduate education in the biological sciences. The Casper College Biology Department strives to educate students about biological concepts relevant to the individual, to society, and to local and global environments. We enable students to understand biological issues that confront every citizen in a world where knowledge of biology—and the opportunity for both its application and misapplication—is growing exponentially. As the unifying theme of all biology, the scientific method and evolutionary theory provides unity to our curriculum and all of our courses.

***Name of program*: CHEM.AS**

CIP Code(s): 40.0501
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS

Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Chemistry Degree at Casper College meets the needs of our students primarily to transfer and go onto other 4 year institutions such as the University of Wyoming.

***Name of program*: GEOL.AS**

CIP Code(s): 40.0601
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional; Hybrid
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Geology Degree at Casper College meets the needs of students who want to get a 2 year degree and go into the workforce. Primarily in the oil and gas industry and other extractive resource areas. The Degree also allows for students to go onto 4 year institutions to earn a bachelors or beyond.

***Name of program*: PHYS.AS**

CIP Code(s): 40.0801
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AS
Active Partnerships: None
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Physics Degree at Casper College meets the needs of our students primarily to transfer and go onto other 4 year institutions such as the University of Wyoming.

***Name of program*: CNTK.AAS; CNTK.CER**

CIP Code(s): 46.0000
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS; CER
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The AAS Construction Technology degree and the Certificate meet the student needs of short-term education and employment. These credentials may also be used towards career and educational advancement by furthering a student's education with the AS Construction Management degree at Casper College and/or transferring to the University of Wyoming for the BS Construction Management degree. This program helps to support the need for laborers, skilled trades, and administration in the construction industry within the state of Wyoming.

***Name of program:* ELAP.CER; ELAP.UNION.CER**

CIP Code(s): 46.0302
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: CER
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org: WYOMING DEPT OF FIRE PREVENTION AND ELECTRICAL SAFETY

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Electrical Apprentice Certificate and the electrical apprenticeship classes at Casper College are recognized by the Wyoming Department of Fire Prevention and Electrical Safety to meet the educational requirements for the Journeyman Electrician Exam. This meets the student needs of career advancement and the employer needs of qualified and skilled electricians.

***Name of program*: MCHT.AAS; MCHT.CER**

CIP Code(s): 48.0501
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS; CER

Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The AAS Machine Tool Technology degree and certificate meets student's educational goals by providing the necessary classroom and shop knowledge to obtain a job in machining and manufacturing. The program supplies safety conscious skilled employees to many manufacturing and fabrication shops in Casper and throughout Wyoming.

Name of program: **WELD.AAS; WELD.CER**

CIP Code(s): 48.0508
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS;CER
Active Partnerships: None
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org:

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The AAS Welding degree and certificate at Casper College fills the student's needs by providing the necessary classroom and shop knowledge to obtain a degree in Welding. Students can use this education to obtain employment in welding and fabrication shops in Casper and throughout Wyoming. Employers get skilled work-ready students in their facilities that require minimal training.

Central Wyoming College

Name of program: **Computer Science AS**

CIP Code: 11.0701
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2021

Credential(s) awarded: Associate of Science degree
Active Partnerships (Yes/No): No
Name of specialized accreditation org. (if applicable): N/A
Active Advisory Committee (Yes/No): No
Offering mode(s) (trad., distance or hybrid): In-person, hybrid, and online

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Students in the Computer Science program at CWC learn to solve problems from an algorithmic or computational point of view. Software systems, information technology and "big data" are deeply embedded in the fabric of our everyday lives. Computer science has grown from a specialized field to an independent broadly-based area that studies in all aspects of the use and understanding of software systems, information, and computational processes. In addition to numerical calculations, the field includes such topics as network analysis, graphics, modeling and simulation, parallel computation and artificial 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.

Jobs in computer science are among the fastest-growing and highest paid in the nation, and diversifying the state's economy through the recruitment of technology and computer-based employers is a current priority initiative across the state. Working this field can typically be done remotely, which offers Wyoming residents an opportunity to live in Wyoming but work nationally or internationally.

Finally, specific courses in the Computer Science degree, along with the Computer Technology certificate at CWC, have been approved by Wyoming's Professional Standards Teaching Board for K-12 educators to receive an endorsement in Computer Science teaching, which is a priority focus in the state's K-12 education standards.

***Name of program*: Construction Technology, Certificate II**

CIP Code: 46.0201
Date this report is presented to the WCCC: February 2022
Academic year review was done: N/A
Credential(s) awarded: Certificate
Active Partnerships (Yes/No): In progress
Name of specialized accreditation org. (if applicable): In progress
Active Advisory Committee (Yes/No): in progress
Offering mode(s) (trad., distance or hybrid): traditional once resumed

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Construction Technology program at CWC has been on hiatus for a number of years. However, there is considerable interest with the Northern Arapaho Tribe to reinstate this program and provide training to students in the construction field, citing significant labor shortages of skilled workers to complete tribal construction projects. In response, the college is currently reviewing program curricula and updating where necessary, and has engaged with the National Center for Construction Education and Research (NCCER) to explore options and requirements to be certified as a training center. The Northern Arapaho Tribe is working with tribal departments to establish funding and facilities for this training. Prior to the program admitting students, an Advisory Committee will be formed to assist with curricular revisions, identify program needs, establish internship opportunities, and build relationships with potential employers of program graduates.

Name of program: EHs Environmental Geospatial Information Science (GIS) Technician AAS and Certificate I

CIP Code: 14.1401
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2018
Credential(s) awarded: Associate of Applied Science; Certificate I
Active Partnerships (Yes/No): Yes
Name of specialized accreditation org. (if applicable): N/A
Active Advisory Committee (Yes/No): Yes
Offering mode(s) (trad., distance or hybrid): in person, hybrid, and online

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The EHS Environmental Geospatial Information Science (GIS) Technician AAS degree provides students with a foundation in the natural sciences and a firm understanding of geographic information systems. Courses in chemistry, soils, water resources and environmental science provide the opportunities for skill development in mapping and geospatial data management. The knowledge and skills obtained from this program will prepare students to address and mitigate complex environmental problems.

Employment opportunities in this field are vast and include the energy industry, state government, and federal agencies such as the Bureau of Land Management and the National Parks, critical partners in advancing the environmental health of the state of Wyoming.

***Name of program (or programs in this cluster)*: Engineering**

CIP Code(s) (six digits): 14.0101
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2019
Credential(s) awarded: Associate of Science degree
Active Partnerships (Yes/No): No
Name of specialized accreditation org. (if applicable): N/A
Active Advisory Committee (Yes/No): No
Offering mode(s) (trad., distance or hybrid): in person, hybrid, and online

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Engineering is critically important to the development of new technology and is an essential component in problem-solving needs in the modern world. There is a high demand for talented engineers to meet today's technological challenges and to drive innovations of the future.

CWC's Engineering program allows the student interested in pursuing any of the fields of engineering - civil, mechanical, electrical, environmental, chemical, or geotechnical - to gain the basic skills of engineering while allowing some flexibility for specialization. This degree is designed for transfer to a university that offers baccalaureate degrees focused on specialization in specific areas of engineering.

A career in a field of engineering is an in-demand option for students who excel in STEM-related coursework. Due to local, regional and statewide demand for qualified engineers, this degree assists the state in meeting economic goals to diversify and grow the Wyoming economy through in-demand, high paying jobs for Wyoming residents.

***Name of program:* Expedition Science, AS; EHS - Expedition Science, Cert II**

CIP Code(s): Expedition Science AS 03.0104; EHS-Expedition Science Certificate II 14.1401
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2021
Credential(s) awarded: Associate of Science degree; Certificate II
Active Partnerships (Yes/No): Yes
Name of specialized accreditation org. (if applicable): NA
Active Advisory Committee (Yes/No): Yes
Offering mode(s) (trad., distance or hybrid): Face to face, hybrid, field experiences, and online courses

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Expedition Science program integrates scientific research, field-based expeditions, and leadership development by building classroom curriculum around experiential learning. Expedition science embraces contemporary science and technical skills in disciplines of environmental science, geospatial information science and technology (GIST), outdoor leadership, and archaeology. Students might perform research in paleoecology to reconstruct past human and physical environments, or apply contemporary ecological students to the Greater Yellowstone Ecosystem. Students present data findings at conferences, and share with state and federal land management agencies.

This program provides excellent preparation for careers in natural resource management, environmental science, outdoor education glaciology, archaeology, and geospatial information science. This is a transfer degree.

This program aligns with priority local, regional and state needs regarding tourism and natural resource management. In addition, this program supports advancing scientific research and technology uses in key areas of the state's economy.

Name of program: **Electrical Apprenticeship Certificate II**

CIP Code: 46.0302
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2021
Credential(s) awarded: Certificate II
Active Partnerships (Yes/No): Yes
Name of specialized accreditation org. (if applicable): N/A
Active Advisory Committee (Yes/No): Yes
Offering mode(s) (trad., distance or hybrid): Online with required employer apprenticeship

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

CWC's Electrical Apprenticeship Certificate II program meets the related apprenticeship training requirements for the State of Wyoming, Department of Fire Prevention & Electrical Safety. In order to earn this certificate, students must complete all courses in the series. This program provides the fundamental instruction in electrical principles, training in the National Electrical Code, and prepares the student to take the Licensed Journeyman Electrical test.

Access to a skilled and properly licensed workforce is essential to local, regional and state initiatives for growth of business and industries that will support and diversify Wyoming's economy.

Name of program**: Welding AAS, Certificate I, Certificate II**

CIP Code: 48.0508
Date this report is presented to the WCCC: February 2022
Academic year review was done: 2021
Credential(s) awarded: Associate of Applied Science degree, Certificate I, Certificate II
Active Partnerships (Yes/No): Yes
Name of specialized accreditation org. (if applicable): American Welding Society (AWS)accredited education and testing facility
Active Advisory Committee (Yes/No): Yes
Offering mode(s) (trad., distance or hybrid): traditional in-person

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

CWC's accredited Associate of Applied Science program which offers a short-term, one semester certificate II and a one-year certificate provides students with the knowledge and skills needed in today's welding industry through hands-on welding and classroom instruction in the five essential welding processes. Additionally, the degree offers courses in metallurgy, blueprint reading, and weld inspection to augment the depth of knowledge for a career in welding.

Careers in the technical fields, such as welding, are critical for the state's successful energy, mineral, and construction industries. CWC's welding department is staffed with two AWS certified welding inspectors to meet the testing and certification needs of local and regional employers.

Eastern Wyoming College

***Name of program*: Biology**

CIP Code(s): 03.0601, 26.0101
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: WILD.AS, BIOL.AS, BWFO.AS
Active Partnerships: N
Active Advisory Committee (Yes/No): N
Offering mode(s): Traditional
Name of specialized accreditation org (if applicable): N

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The quality and variety of course offerings for students majoring in the sciences needs to continue. While several courses have been dropped from the catalog, others have been added which have better addressed the needs of students transferring to the University of Wyoming and Chadron State College. Faculty need to continue to attend annual conferences, workshops, articulation meetings and continue to participate in the INBRE program. Enrollment in Biology, and Wildlife and Fisheries Biology and Management degree programs is gradually increasing, and has been enhanced by the recent 2+2 articulation agreements with the University of Wyoming. While these small increases have been encouraging, efforts to recruit students who demonstrate a high aptitude in science and mathematics needs to be increased by offering scholarships or other forms of incentive. Science Faculty work together well as a team, and should continue to collaborate to offer a high quality and variety of courses.

***Name of program*: Welding**

CIP Code(s): 48.0501, 48.0508
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: MTT.CD, WJSP.CD, WJTK.AAS, WJTK.C, WJTK.CD
Active Partnerships: N
Active Advisory Committee (Yes/No): Y
Offering mode(s): Traditional
Name of specialized accreditation org. (if applicable): N

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Welding and Joining Technology program is one of EWC's shining stars. The growth of the program sometimes surprises us and has been enhanced in the last three years with the addition of the Department of Correction sites located in Torrington, Newcastle, and Lusk. The Plate Welding Certificate program is offered at these locations and numerous students have completed and graduated with this valued workforce credential. The DOC instructors have equally fine credentials and do an outstanding job with their students. Additionally, the welding courses are more frequently being offered as concurrent enrollment courses with our service area high schools. The Welding Advisory Council has been instrumental in guiding curriculum changes as needed and supporting the direction of the master plan with the proposed Career and Technical Education Center. Welders and machinists are still in high demand in Wyoming and the surrounding area. Our students are highly recruited and find good jobs. At the annual job fair, it is not unusual to have up to 20 companies interested in our graduates.

***Name of program*: Biology**

CIP Code(s): 26.0101
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: AS – Biology; AS - Natural Science, Molecular Biology; AS - Natural Science, Wildlife Biology (D/C); AS - Natural Science, Zoology (D/C)
Active Partnerships: IDeA Networks in Biomedical Excellence (INBRE; National Institute of Health); Wyoming NASA Space Grant; Dr. Chris Hair, Department of Geosciences, Laramie County Community College; Dr. Seth Bybee, Department of Biology, Brigham Young University; Christy Bills, Natural History Museum of Utah; Dr. Kathryn Stanger-Hall, Department of Plant Biology, University of Georgia; Dr. Marc Branham, Department of Entomology and Nematology, University of Florida; Dr. Sarah Lower, Department of Biology, Bucknell University; Dr. Nathan Lord, Entomology Department, Louisiana State University; Dr. Thomas T. Labedz and Dr. Hugh H. Genoways, University of Nebraska State Museum; Dr. Hailey C. Lanier, Sam Noble Museum of Natural History, University of Oklahoma; Dr. R. Scott Seville, Department of Zoology and Physiology, University of Wyoming; Dr. Christopher T. McAllister, Eastern Oklahoma State College; Dr. Russell A. Benedict, Department of Natural Sciences, Cantal College
Active Advisory Committee (Yes/No): Yes (part of STEM Pathway Advisory Committee)
Offering mode(s): Trad., Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Biology program at Laramie County Community College promotes personal and professional growth through the development of scientific reasoning and problem solving. The program aims to inspire learning through relevant experiences that emphasize ethical and rational thought. All students in this program will acquire knowledge and skills necessary to develop as professionals in a life science field and become informed, critically thinking and engaged citizens. Students will acquire the specific knowledge and skills necessary to be successful professionals within their discipline and either move on to a four-year institution and gain a baccalaureate degree or gain employment in related fields. Furthermore, an important aspect of the Natural Science program's mission is to provide courses that serve the natural science needs of students and their ultimate success in other LCCC programs (e.g. Agriculture, Business, Computer Science, Education, Health Sciences & Wellness programs). Finally, it is also

part of the Natural Science program's mission to be a conduit to the community for natural science issues, skills and knowledge. This is done through various community outreach, collaborations and partnerships (e.g. our collaborations with Cheyenne and Laramie County GIS Coop, LCCC Bioblitz, Laramie County Conservation District, Laramie County K12 Schools, Wyoming FFA). Most importantly it is through building a sense of trust and presence in the community so that they see the Biology program as an important resource within the community.

***Name of program*: Computers**

CIP Code(s): 11.0103; 11.0201; 11.0501; 11.0701; 11.1001; 11.1003
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: AAS - Computer Information Systems; AAS - Cybersecurity; AAS – Information Technology (New); AS - Computer Science; CD - CIS Cybersecurity Fundamentals (D/C); CD - CIS, Systems Administrator; CD - Network Administrator (CCNA)
Active Partnerships: Microsoft, Lunavi, Visionary, Blue Peak, Meridian Trust FCU, State of Wyoming, Union Wireless, PTSB, University of Wyoming
Active Advisory Committee (Yes/No): Yes – Information Technology
Offering mode(s): Traditional, Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

In Wyoming, the need for IT Support, Desktop Support and Network Support outpaces all other IT positions by a factor of more than 2:1. Employment growth projections in the IT field demonstrate nearly 14,000 positions in the LCCC market in the next 5-10 years. The IT Pathway design allows for student completion of credentials in a series or ala carte to meet experience and work/life needs. Program design leverages micro-credentialing of industry certification while stacking credentials leading to credit diplomas and AAS degrees. These programs focus on hands-on skills and practical application. The program also offers a program in computer science as a transfer degree. This degree aids in the development of advanced computer programming.

***Name of program:* Construction Trades**

CIP Code(s): 46.0302; 46.0503
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: CD - Electrical Technician; CD - Plumbing Technology (Hiatus)
Active Partnerships: Encore Electric, Department of Labor, Office of Apprenticeship, Electrical Union; Mechanical Systems Inc. AC Mechanical HVAC and Plumbing, The Electric and Solar

Specialist
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

LCCC deactivated the Plumbing Technology Credit Diploma in the for-credit offerings as the Workforce Development area has been running a successful Plumbing Apprenticeship for the last three years. Plumbing has never been offered as for-credit and the apprenticeship meets the needs of area industry. Credit-for-prior learning will be utilized to allow apprentices and other industry workers to enter the for-credit programs to complete the AAS in Trades and Tech.

The Electrical Credit Diploma is a one semester program that requires a prerequisite of completion of the Industrial Systems Technology Credit Diploma (one semester). This program started in 2019 and has steadily grown in numbers. The program is designed for both union and non-union electrical jobs and provides a foundation to enter into an electrical apprenticeship. According to BLS, the median pay for an electrical engineer is $57,000 and the job outlook is an average of 9%. Regional demand for electricians and electrical journeymen is high.

***Name of program*: Engineering**

CIP Code(s): 14.0101
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: AS - Engineering Science
Active Partnerships: University of Wyoming
Active Advisory Committee (Yes/No): Yes (part of STEM Pathway Advisory Committee)
Offering mode(s): Trad., Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Engineering program at LCCC is a program within the School of Math and Sciences. The program offers an Associate of Science in Engineering in alignment with the S.T.E.M. Pathway. It is designed to prepare students for transfer to a four-year degree in many sub-fields of engineering (civil, mechanical, electrical, and others). The program works closely with the Associate Dean for Academic Programs at the University's College of Engineering and Applied Science and departmental faculty to promote the LCCC program to the University's students.

The Engineering program is offered fully online with the intention to serve stakeholders in Wyoming and across the region.

***Name of program*: Foreign Languages and Literatures**

CIP Code(s): 16.0905
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: CD - Spanish in the Workplace
Active Partnerships: COMEA Shelter; Cherry Creek Mortgage; Cheyenne Police Department; Cheyenne Regional Medical Center
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Trad., Distance
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Spanish in the Workplace is designed to aid in careers that have a need to be conversational in Spanish. The program is designed as an online program for professionals to work on learning conversational Spanish while maintaining their current work structure. This program serves all stakeholders in the region as the Spanish speaking population is the fastest growing demographic.

***Name of program*: Physical Sciences**

CIP Code(s): None
Date this report is presented to the WCCC: January 2021
Academic year review was done: 2020-2021
Credential(s) awarded: None
Active Partnerships: No
Active Advisory Committee (Yes/No): No
Offering mode(s): Trad., Distance
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

This program was discontinued as part of our Guided Pathways initiative.

***Name of program*: Machine Tool Technology/Machinist**

CIP Code(s): 48.0508
Date this report is presented to the WCCC: January 2021

Academic year review was done: 2020-2021
Credential(s) awarded: AAS-Welding Technology; CD - Welding Technology, Advanced Pipe Welding; CD - Welding Technology, Combination Welding
Active Partnerships: Puma Steel, Peabody Industries, LCSD#1
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Trad, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

With an average starting wage above $21 in the region and the ability to grow $70-$90,000 a year, welders are in high demand regionally and nationally with a BLM projected average growth of 8%. LCCC trains students in a state-of-the art 40-bay welding shop with three faculty and an average of 50 students. Students complete two short one-semester credit diplomas with the option to enter the workforce or return for one more year for the Associate of Applied Science in Trades and Tech. Graduates fill high-demand roles regionally and nationally. The LCCC welding program works with the American Institute of Steel Construction (AISC) to host a scholarship contest for high school students each year. The LCCC welding program also hosts a summer training program for high school shop and ag teachers to build their welding instruction skills.

Northern Wyoming Community College District

(Sheridan and Gillette Colleges)

***Name of program(s)*: Computer Science**

CIP Code(s):

- 11.0101 Computer Networking Administration AAS
- 11.0401 Computer Science Pathway Certificate
- 11.0401 Computer Science AS
- 11.1003 Cyber Security AAS

- 11.1003 Cyber Security Certificate
- 11.1004 Web Development AAS
- 11.1006 IT Support Technician Certificate

Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS, AS, CCD, CERT
Active Partnerships: Yes
Active Advisory Committee (Yes/No): Yes
Offering mode(s) (trad. Distance, or hybrid): t, d, h
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Computer Networking Administration AAS Program prepares students for technical roles in various fields of information technology. Successful completion of this program prepares students for recognized certifications such as the Cisco Certified Network Associate (CCNA), the CompTIA A+, Linux +, Cloud + and the Microsoft Client and Server exams. Additionally, students learn to use various scripting tools, structured query language (SQL) and gain an appreciation for their role in security of systems.

The Computer Science Pathway Certificate was created in response to Wyoming Professional Teaching Standards Board (PTSB) Computer Science Endorsement to meet requirements of Senate Enrolled Act 48 requiring public school districts to offer computer science in K-12 no later than 22-23 school year. NWCCD works with school districts and teachers in our service area to meet their needs.

Computer Science AS program combines practical experience with current programming languages, together with a theoretical background in computer science. The program covers instruction in the principles of computational science, computing theory, and programming. Students are provided a foundation to then complete their baccalaureate degree at a four-year institution in the many specialized concentrations of computer science.

The Cyber Security AAS Program prepares students for a career in computer network and Internet security. The program assists students to develop information security strategies, perform risk analysis, install security software, monitor network traffic, and develop an emergency response plan. The program provides the foundational technology skills needed to support operating systems and computer technology and additionally teaches students to secure Microsoft Windows, Linux, Cisco infrastructure, servers, and clients, and the enterprise network.

The Cyber Security Certificate Program is intended for students who have achieved or working on the Computer Network Administration AAS or IT professionals already working in the field.

The program provides students with the core skills required to take a lead role in information security within an organization. Students will be able to identify risks, threats, and vulnerabilities to a computer system. They will acquire the skills to isolate these threats and fortify or harden computer systems, software, and the physical sites. Students will also develop working knowledge of the various laws governing the computer security area and how compliance can be affected.

The Cyber Security AAS and Certificate programs map to the following available certifications: Microsoft Technology Associate (MTA) Security Fundamentals, CompTIA Security+, Cisco CCNA Security and in part to the International Information Systems Security Certification Consortium, Inc. (ISC)2 CISSP.

IT Support Technician certificate prepares students for entry-level support positions through the introduction of basic hardware, software, security, and networking concepts. Throughout the program students learn the foundational concepts that prepare them to take up to 5 certification exams including: CompTIA's A+, Linux + and Networking + exams and various Microsoft Windows Client and Server examinations.

***Name of program(s)*: Engineering**

CIP Code(s): 14.0101 (Engineering AS)

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-2021

Credential(s) awarded: AS

Active Partnerships:

Active Advisory Committee (Yes/No):

Offering mode(s) (trad. Distance, or hybrid)

Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Engineering AS is a program of applied science where students develop a broad background of analytical skills and task specific application abilities. The purpose of this program is to give the entering student the foundation in mathematics and engineering science necessary for successful transfer and completion of Bachelor of Science degrees in Engineering at a four-year institution.

***Name of program(s)*: Biology**

CIP Code(s): 26.0101 (Biology AS)

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-2021

Credential(s) awarded: AS

Active Partnerships: Yes – concurrent enrollment
Active Advisory Committee (Yes/No): No
Offering mode(s) (trad. Distance, or hybrid): t,d,h
Name of specialized accreditation org. (if applicable) NA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Biology Program is designed to give students a diverse background in the biological sciences and primarily prepares students for transfer to a four-year degree program. The goal of the program is to provide students with knowledge in the biological sciences, chemistry, mathematics, and general education electives. Students are offered the choice of two Biology tracks:

1) Biochemical & Molecular Biology
2) Wildlife & Conservation Biology

As STEM (Science, Technology, Engineering, and Math) careers continue to grow, Biology graduates will find work in a variety of fields. Biologists today are faced with complex issues, like climate change, wildlife management, energy production, and medical practice, presenting Biologists a variety of career opportunities. The Bureau of Labor Statistics predicts an 8% increase in the number of jobs related to biology and wildlife biology by 2026.

***Name of program(s)*: Construction Trades**

CIP Code(s):

- 46.0201 Carpentry Apprentice Certificate
- 46.0302 Electrical Apprenticeship Certificate
- 46.0415 Construction Technology AAS
- 46.0415 Construction Technology Certificate

Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-2021
Credential(s) awarded: AAS, CCD, CERT
Active Partnerships:
Active Advisory Committee (Yes/No):
Offering mode(s) (trad. Distance, or hybrid)
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Carpentry Apprentice Certificate provides educational components for the Sheridan area and State approved Carpentry Apprenticeship that complements the 2000 hour per year

working component needed to meet the yearly requirements set by the Bureau of Apprenticeship and Training, Department of Labor, Cheyenne, Wyoming, for apprentices to become eligible to sit for the journeyman's exam. Courses are offered online to accommodate apprentice's work schedule.

The Electrical Apprenticeship Certificate Program fulfills the State of Wyoming and Department of Labor (DOL) Office of Apprenticeship educational requirements for registered apprentice electricians. The program is intended for apprentice electricians who have been registered with the State of Wyoming by their employer. The coursework emphasizes the National Electrical Code (NEC) and prepares apprentice electricians to pass the Journeyman Electrician licensing exam at the conclusion of their four-year apprenticeship. The program is designed to be completed during a four year (8,000 hour) working apprenticeship. Courses are offered in the evening to accommodate the apprentice's work schedule.

The Construction Technology AAS and Certificate Programs emphasize the hands-on facets of the industry as well as drafting and management skills. The programs prepare students for entry-level positions in occupations related to the design and construction of buildings. Students develop skills and technical knowledge that apply to field work and construction management practices; with these skills students are prepared for entry-level employment, continue in the AAS program, or job advancement within the industry.

***Name of program(s)*:** Machine Tool

CIP Code(s):

- 48.0501 Machine Tool Technology AAS
- 48.0501 Machine Tool Technology Certificate

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-2021

Credential(s) awarded: AAS, CCD

Active Partnerships:

Active Advisory Committee (Yes/No):

Offering mode(s) (trad. Distance, or hybrid)

Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Machine Tool AAS program gives the students an opportunity to gain a broader knowledge and to achieve a higher skill level in machining than is offered in the one-year certificate program. Students are required to develop advanced skills in planning, designing, producing CAD prints, and setting up and operating machine tools to produce precision parts to specifications. The students receive training in programming, setting-up and operating CNC turning and machining centers. There is also a general education component integrated into

the program to satisfy demands for appropriate workforce skills. Upon completing the AAS degree program, students have the necessary skills to become employed as an entry-level machinist or a CNC technician.

The Machine Tool Technology Certificate Program is designed for students who are interested in pursuing a career as a highly skilled machinist. Students study precision layout, measuring/gauging tools and the operation of machine tools including the engine lathe, drill press, grinder, horizontal and vertical mail, and computer numerical controlled (CNC) machining and turning center. Graduates join the workforce at the entry level. In order to be promoted in the trade, the worker needs additional training and work experience and is encouraged to complete a second year of education to earn an AAS degree in Machine Tool Technology.

***Name of program(s)*: Welding**

CIP Code(s):

- 48.0508 Welding Technology AAS
- 48.0508 Welding Technology Certificate

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-2021

Credential(s) awarded: AAS, CCD

Active Partnerships:

Active Advisory Committee (Yes/No):

Offering mode(s) (trad. Distance, or hybrid)

Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Welding Technology AAS Program prepares students for work in the field of welding technology. Building on the knowledge and skills gained in the Certificate program, students further develop their skills in the areas of print reading, welding symbols, weld inspection, destructive and non-destructive testing, and computer-aided design. Students perform quality welds and cuts, evaluate welds to industry standards, operate metal fabricating equipment and apply communication skills in the work environment. Students gain important knowledge and skills necessary to prepare them for weld qualification to code specifications.

The NWCCD Welding Certificate Program prepares students for entry-level work in welding. In addition to gaining an overall understanding of welding machines, weld processes and hands-on proficiency, students develop skills in the areas of print reading, welding symbols, weld inspection, and destructive and non-destructive testing. Students also gain important knowledge and skills necessary to prepare them for weld qualification. The Certificate program transitions seamlessly to the AAS degree program without loss of credit or time.

***Name of program(s)*:** **Industrial Technology**

CIP Code(s): 48.9999 (Industrial Technology AAS)

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-2021

Credential(s) awarded: AAS

Active Partnerships:

Active Advisory Committee (Yes/No):

Offering mode(s) (trad. Distance, or hybrid)

Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Industrial Technology AAS program enables students to design an individualized program of study that focuses on educational interests leading to technical career pathways. The variety of courses offered enhances the student's learning experience while also providing insight and knowledge about specific areas related to technical careers in the areas of computer technology, construction, electrical trades, engineering technology, HVAC, machining, mining, and welding.

Northwest College

***Name of program*: Computer Science**

CIP Code(s): 11.0101, 11.0401

Date this report is presented to the WCCC: January 2022

Academic year review was done: 2020-21

Credential(s) awarded: Computer Science AS, K-12 Computer Science Endorsement Certificate

Active Partnerships: No

Active Advisory Committee (Yes/No): No

Offering mode(s): Traditional, Distance, Hybrid

Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Computer Science AS

Computer science is the study of the limits and use of computers. Applications of computer science pervade most fields. The delivery of this specialization couples the art and science of programming with the study of math, physics and the building blocks of computing machines to provide a balanced overview of the field.

This program focuses on framing and solving problems, learning skill sets necessary to solve these problems, and developing thought processes needed for further understanding in computer science. Emphasis is on the enduring concepts rather than current syntax. The computer science specialization is intended for transfer to a four-year institution or as a background for computer related courses.

K-12 Computer Science Endorsement

This certificate was created in response to the call to action by the 2018 Wyoming Legislature (SB 29), which requires that K12 students be taught computer science and computational thinking skills across all grade levels in K12 classrooms. Computer science is now required in all Wyoming K12 schools no later than 2022.

Computer Science standards have been written and approved by the Wyoming State Department, and are currently under review by the Wyoming State Board of Education. Requirements for teacher certification have been implemented by the Wyoming Professional Teaching Standards Board, and this program is designed to fulfill those requirements.

Upon completion of this certificate program, the student shall be able to teach K12 standards at the appropriate grade level in fulfillment of Wyoming K12 Computer Science Standards.

***Name of program*: Engineering**

CIP Code(s): 14.0101
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: AS
Active Partnerships: No
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional, Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The various fields in engineering are related in that they all require a thorough understanding of basic scientific laws. Engineers apply scientific knowledge and principles to the design and operation of machines, to the selection of materials, to the environmental betterment of humankind, and to the economical use of personnel, money, and energy.

The Associate of Science in Engineering degree emphasizes the traditional core of engineering at the freshman and sophomore level. The program provides basic education in engineering with sufficient flexibility to allow students to transfer to a variety of four-year schools offering bachelor of science degrees in engineering. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program requirements at Northwest College in order to transfer in as a junior.

***Name of program*: Spanish**

CIP Code(s): 16.0905
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: AA
Active Partnerships: No
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional, Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

This program allows students to focus on the Spanish language and the cultures that speak Spanish. Students must successfully complete the core courses with a "C" or higher to meet program requirements. Students should consult with their advisor and the appropriate transfer college catalog to plan their program of study.

***Name of program*: Biological Sciences**

CIP Code(s): 03.0201, 26.0101, 51.1103, 51.1108, 51.1199
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: Natural Resource Biology AS, Biology AS, Pre-Pharmacy AS, Pre-Optometry AS, Pre-Occupational Therapy AS, Pre-Professional Sciences AS, Pre-Physical Therapy AS
Active Partnerships: Yes
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional, Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Biology AS
The study of biology includes courses designed to help students acquaint themselves with the structure and function of living organisms and to appreciate some of the ecological relationships existing in the world of life. The biology courses required in this program parallel those found at four-year institutions and should transfer without difficulty.

Natural Resource Biology AS
This program includes areas in Environmental Biology, Forestry, Resource Management, and Wildlife Management. The program of Natural Resource Biology provides coursework concerning ecological communities, plant and animal studies, and Geographic Information Systems. The courses required in this program parallel those found at four-year institutions and should transfer without difficulty.

Pre-Pharmacy AS, Pre-Optometry AS, Pre-Occupational Therapy AS, Pre-Professional Sciences AS, Pre-Physical Therapy AS
Pre-Professional Sciences includes areas in Pre-Dentistry, Pre-Medicine, and Pre-Veterinary Medicine. The courses required in these programs parallel those found at four-year institutions and should transfer without difficulty.

***Name of program*: Physical Sciences**

CIP Code(s): 40.0501, 40.0801
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: Chemistry AS, Physics AS
Active Partnerships: Yes
Active Advisory Committee (Yes/No): No
Offering mode(s): Traditional, Distance, Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Chemistry AS
Chemistry is a foundation science with courses emphasizing an understanding of the fundamental principles of this physical science. Chemistry offers several entry level courses which can be used to fulfill the college's lab science requirement. Chemistry courses also are an integral part of the curriculum for other sciences, engineering and the health professions.

Individuals who want to specialize in chemistry should work closely with their advisor to devise a suitable associate of science degree program.

The Associate of Science in Chemistry emphasizes the traditional two semester sequence of general inorganic chemistry followed by two semesters of organic chemistry. The program has sufficient flexibility to allow students to transfer to a variety of four-year schools offering bachelor's degrees in chemistry.

Physics AS
Physics seeks to understand the fundamental laws that govern the universe, from galaxies to subatomic particles. Individuals who want to prepare for transfer to a senior institution should work closely with their advisors to devise suitable associate of science degree programs.

The Associate of Science in Physics degree emphasizes the traditional foundations for physics at the freshman and sophomore level. It provides basic education in physics and cognate areas such as chemistry and mathematics, as well as sufficient flexibility to allow students to transfer to a variety of bachelor's degree programs in physics.

***Name of program*: Technical Studies**

CIP Code(s): 46.0302
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: AAS
Active Partnerships: Yes
Active Advisory Committee (Yes/No): No
Offering mode(s): Hybrid
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Associate of Applied Science degree in Technical Studies is a special degree option. Interns will work through a customized, flexible, differentiated, and career-ready curriculum while living and working in Northwest Wyoming.

***Name of program*: Welding Technology**

CIP Code(s): 48.0508
Date this report is presented to the WCCC: January 2022
Academic year review was done: 2020-21
Credential(s) awarded: Welding Technology AS, Advanced Welding Certificate, Welding Technology Certificate, Gas Metal Arc Welding Certificate, Gas Tungsten Arc Welding Certificate, Robotics Technology Certificate
Active Partnerships: No
Active Advisory Committee (Yes/No): Yes
Offering mode(s): Traditional
Name of specialized accreditation org. (if applicable): N/A

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Welding Technology Program is designed to give the student a solid background in the latest techniques, procedures, and welding processes. Students are encouraged to complete the two-year program, although Northwest College certificates are available options. Multiple certificates are designed to teach students the knowledge and skills necessary for various welding techniques including gas metal arc welding, gas tungsten arc welding, combination welding, the newest methods of fabrication, pipe welding techniques, and planning, setup, operation, and safety requirements of using a Computer Numeric Controlled (CNC) plasma cutting machine. Students must successfully complete core courses with a "C-" or better to meet program requirements.

Western Wyoming Community College

Name of program: Environmental Science

CIP Code(s) : 30.0101
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AS.ENVIRONMENTAL SCIENCE - END DATE 7/29/2019
AS.NATURAL RESOURCES - END DATE 8/9/2020
Active Partnerships:
Active Advisory Committee: No
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Both degrees in this CIP code have been end dated and are no longer offered to incoming students. However, Western has created pathways for students currently seeking these degrees to complete the degree path. In addition, the Chemistry and Biology prefix courses under this

CIP code, continue to serve the general education requirements. Specifically, the Natural Science competency for the Interstate Passport requirements.

***Name of program*: Computer Science**

CIP Code(s) : 11.0401
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AS.COMPUTER INFORMATION SYSTEMS - END DATE 7/29/2019
AS.COMPUTER SCIENCE
COMPUTER SCIENCE ENDORSEMENT PREPARATION CERTIFICATE
Active Partnerships:
Active Advisory Committee: Yes
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

A degree in Computer Science and Information Systems is a foundational degree that can serve as a springboard for additional education or employment opportunities in diverse fields including programming, networking, and information technology. Those individuals having degrees and certifications in Computer Science and allied fields find employment in a range of exciting and in-demand fields including web- and software-development, computer- and software-engineering, programming, and information and networking security.

The Computer Science (CS) program combines practical experience with current programming languages, together with a theoretical background in computer science. The program prepares students to transfer to a 4-year institution in Computer Science, or obtain a position in industry. The program covers instruction in the principles of computational science, computing theory, computer hardware and software design, computer development, programming and applications. Students will learn technical communication, teamwork skills to solve problems, develop professional knowledge, and skills in the computer science field. The career opportunities would include: Computer Programmers, Software Application Developers, Computer Systems Analysis, Database Administrator, Web Developer, and Computer User Support Specialist. In addition, the program offers certificates in specialized areas of study that can be earned in combination with a degree or in a stand-alone fashion separate from the degree.

The Computer Science Endorsement is designed to address the needs of teachers who seek to deliver effective and engaging curricula in computer science and introduce computational

thinking to K-12 students. The program provides teachers with the knowledge, skills and competencies to teach computer science concepts and computational thinking skills in the classroom. The program will also help teachers to develop their own developmentally appropriate curricula in computing for students in K-12 settings across disciplines.

Name of program: **Business Information Systems**

CIP Code(s): 11.0601
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AAS.BUSINESS INFORMATION SYSTEMS, APPLICATION SOFTWARE SPEC - END DATE 6/29/2021
APPLICATION SOFTWARE SPECIALIST CERTIFICATE
Active Partnerships:
Active Advisory Committee: Yes
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Today's businesses require highly skilled individuals in the area of computer applications and concepts to assist in detailed and overall business processes and practices. BIS degrees and certificates will provide students with these advanced skills and knowledge in currently popular, industry-standard applications software programs giving them a competitive edge and expertise to assist businesses in every industry and discipline.
Below is a significant list of possible jobs for which BIS graduates can find employment:

The skills learned in the Business Information Systems degree program are applicable to nearly any type of business. Regardless of the type of industry, location, or size, every office requires employees who can efficiently use business applications, navigate technology, work collaboratively, and maintain records. This degree prepares students to succeed in a variety of roles and provides a practical way to gain entry-level employment in many different fields.

State and National Wages based on the US Labor Statistics.

United States:
Hourly: 10% = $15.01; 25% = $18.90; Median = $24.51, 75% = $31.56; 90% = $40.63
Yearly: 10% = $31,220; 25% = $39,310; Median = $50,980, 75% = $65,640; 90% = $84,510
Wyoming:
Hourly: 10% = $14.81; 25% = $19.31; Median = $23.26, 75% = $28.80; 90% = $36.22
Yearly: 10% = $30,810; 25% = $40,150; Median = $48,380, 75% = $59,900; 90% = $75,340

Name of program: **Digital/Web/Social Media Design**

CIP Code(s): 11.0801 & 11.1099

Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
DIGITAL DESIGN TECHNOLOGIES CERTIFICATE
WEBSITE DEVELOPMENT CERTIFICATE
SOCIAL MEDIA CERTIFICATE
Active Partnerships:
Active Advisory Committee: Yes
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Digital Design Technology Certificate: The digital age is here. To have a competitive advantage in this area, one must be prepared to create any type of document necessary in a digital format and deploy such content in a variety of applications and media from Web sites to presentations to print and more. This 20-credit certificate program will introduce students to the fundamentals of digital content creation. Students will gain understanding and skills in the realm of the digital world we now live in and be introduced to several content areas including digital documents, digital image development and editing, Web design and development, and moving digital content. Upon completion of the required coursework, the student will be well-versed in the current industry standard digital design technologies and applications.
This certificate is also an excellent "minor" for students to include in many other disciplines, from business to art to communication to engineering to science.
Corresponding degree: Digital Media, Associate of Applied Science

Social Media Certificate: Students earning the 16-credit Social Media Certificate will learn to create, deploy and manage digital content for the social media and digital world giving graduates an edge in today's fast-paced social media sphere. Upon completion, the student will be well-versed in the current industry-standard digital design and social media technology and applications. The skills learned will be of value for any discipline including business, communication, art, education, science and more.

Web Development Certificate: This certificate program is designed to prepare students for entry-level and/or advanced positions in the Information Technology industry with such titles as Web Designer, Web Developer, or Web Editor. Upon completion of coursework, the graduate will understand the history, evolution, and concepts of the Internet and World Wide Web; perform basic functional operations of the World Wide Web; understand the role of the Internet, Intranets, and Internet tools in business; and be able to plan, design, develop, and maintain interactive dynamic Web pages using current web scripting languages.

Name of program: **Engineering**

CIP Code(s): 14.0101
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AS.PRE-ENGINEERING
AS.ENGINEERING - END DATE 7/29/2019
AS.ENGINEERING, MECHANICAL
Active Partnerships:
Active Advisory Committee: No
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Engineering is a broad discipline that prepares students for rewarding careers in almost any industry. An engineering degree is intended for students with a strong scientific background to apply their skills to solving real-world problems.
The two-year program provides a firm foundation in physics and core engineering curriculum, allowing students to transfer seamlessly to most four-year institutions and be successful. Students will learn how to analyze internal and external forces acting on structures and machines, including consideration for the behavior of fluids and the transfer of energy. Computing plays an increasing role in engineering professions and this is reflected in the program, with introductory courses in several commonly used software packages. In addition to the theory, opportunities will be provided for practical application of the engineering design process through a variety of projects designed to connect concepts with hands-on experiences. These opportunities allow students to combine their creative and analytical skills while gaining real problem-solving experience. In addition, qualified students compete for statewide internships that initiate professional employment opportunities.

Graduates from Western are well-positioned to transfer into many specializations that include Energy Systems, Civil, Petroleum, and Chemical Engineering. On completion of a four-year degree, hard-working students can expect to be well compensated in challenging and exciting careers. Practicing engineers may design components, improve processes, or manage projects in their chosen industry. Some common industries include oil and gas, mining, energy production, aeronautical, biomedical, automotive, and agricultural.

Name of program: **Spanish**

CIP Code(s): 16.0905
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AA.SPANISH - END DATE 8/2/2021
Active Partnerships:
Active Advisory Committee: No

Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Both degrees in this CIP code have been end dated and are no longer offered to incoming students. However, Western has created pathways for students currently seeking these degrees to complete the degree path. In addition, the Spanish prefix courses under this CIP code, continue to serve the general education requirements. Specifically, the Human Cultures competency for the Interstate Passport requirements.

***Name of program*: Biology**

CIP Code(s): 26.0101
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AS.PRE-FORESTRY - END DATE 7/29/2019
AS. PRE-WILDLIFE BIOLOGY - END DATE 7/29/2019
AS.PRE-RANGELAND ECOLOGY - END DATE 7/29/2019
AS.BIOLOGY - END DATE 7/29/2019
AS.BIOLOGICAL SCIENCES, GENERAL - END DATE 8/2/2021
AS.BIOLOGICAL SCIENCES, ORGANIC - END DATE 8/2/2021
Active Partnerships:
Active Advisory Committee: No
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Both degrees in this CIP code have been end dated and are no longer offered to incoming students. However, Western has created pathways for students currently seeking these degrees to complete the degree path. In addition, the Chemistry and Biology prefix courses under this CIP code, continue to serve the general education requirements. Specifically, the Natural Science competency for the Interstate Passport requirements.

***Name of program:* Chemistry and Geology**

CIP Code(s): 40.0501 and 40.0601
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021

Credential(s) awarded:
AS.CHEMISTRY - END DATE 6/29/2021
AS.GEOLOGY - END DATE 6/29/2021
Active Partnerships:
Active Advisory Committee: No
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Both degrees in this CIP code have been end dated and are no longer offered to incoming students. However, Western has created pathways for students currently seeking these degrees to complete the degree path. In addition, the Chemistry prefix courses under this CIP code, continue to serve the general education requirements. Specifically, the Natural Science competency for the Interstate Passport requirements.

Name of program: **Machine Tool Technology**

CIP Code(s): 48.0501
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
AAS.MACHINE TOOL TECHNOLOGY - END DATE 8/9/2020
MACHINE TOOL TECHNOLOGY CERTIFICATE - END DATE 8/9/2020
Active Partnerships:
Active Advisory Committee: No
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Both degrees in this CIP code have been end dated and are no longer offered to incoming students. However, Western has created pathways for students currently seeking these degrees to complete the degree path, or move toward another CTE program.

Name of program**: Welding**

CIP Code(s): 48.0508
Date this report is presented to the WCCC: December 2021
Academic year review was done: 2020-2021
Credential(s) awarded:
WELDING TECHNOLOGY - FABRICATION SHOP CERTIFICATE
WELDING TECHNOLOGY - INDUSTRIAL PLANT CERTIFICATE

WELDING TECHNOLOGY - MINE MAINTENANCE CERTIFICATE
AAS.WELDING TECH FABRICATION SHOP OPTION
AAS.WELDING TECH INDUSTRIAL PLANT OPTION
AAS.WELDING TECH MINE MAINTENANCE OPTION
Active Partnerships:
Active Advisory Committee: Yes
Offering mode(s) Traditional and Online
Name of specialized accreditation org. (if applicable)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Career prospects in the welding field are consistently high. Welding is a highly skilled trade that is in some way related to every aspect of our lives, and therefore will always be in tremendous demand. Because of the levels of training and skill necessary to successfully maintain a career in welding, these jobs tend to pay quite well. Fabrication shop welders will generally earn from $17.00/hr. up to $30.00/hr. depending on their skill level and experience. Mine maintenance welders will usually earn between $25.00/hr. and $40.00/hr. depending on experience. Because of the generally higher skill levels often necessary for industrial plant welders, the pay may fall somewhere in the $35.00/hr. to $55.00/hr. range.

The Western Wyoming Community College Welding Program offers students three different AAS Degree options, as well as three one-year certificate options. This allows the student to choose the option that best applies to his/her career path in welding.

AAS Degree, Fabrication Shop Option

Emphasis on coursework geared toward careers in the fields of fabrication, and manufacturing. Promotes the use of welding processes that are better suited for indoor repetitive type production work such as GMAW, FCAW, and SAW.

AAS Degree, Mine Maintenance Option

Emphasis on coursework geared toward careers in the field of maintenance at any one of the many mines located in the immediate area, nationally, or even globally. The processes taught in this option are manual processes used indoors or out, portable, and highly versatile such as SMAW, and FCAW.

AAS Degree, Industrial Plant Option

Emphasis on coursework geared toward careers in the power generation industry. This particular industry leans more in the direction of high-pressure piping, often on higher alloy

steels. The processes most commonly used in these applications are SMAW, and GTAW. Because of the use of higher alloy materials, and high-pressure applications, many times these careers require higher skill levels.

Academic Year Reported: 2020-21		Casper College															
Program name or program cluster name that includes names of programs		ENVSC.AS	OUTDOOR.AS	WILD.AS; WILDMGT.AS	COSC.AS; COSC.BUS.AS	WEB.AAS; WEB.CER; WEBDESIGN.AAS; WEBDESIGN.CER; WEBDEV.AAS	COMPSECURITY.AAS; COMPSECURITY.AS; COMPSECURITY.CER; CYBERSECURITY.AAS; CYBERSECURITY.AS; CYBERSECURITY.CER	ENGR.AS	LANG.AA; SPANISH.AA; ASL.AA	BIOL.AS	CHEM.AS	GEOL.AS	PHYS.AS	CNTK.AAS; CNTK.CER	ELAP.CER; ELAP.UNION.CER	MCHT.AAS; MCHT.CER	WELD.AAS; WELD.CER
CIP code(s)		03.0104	03.0207	03.0601	11.0201	11.0801; 11.1004	11.1003	14.0101	16.0101; 16.0905; 16.1601	26.0101	40.0501	40.0601	40.0801	46.0000	46.0302	48.0501	48.0508
Name or Type of credential(s)		AS	AS	AS	AS	AAS; CER	AAS; AS; CER	AS	AA	AS	AS	AS	AS	AAS; CER	CER	AAS; CER	AAS;CER
Name of specialized accreditation organization (if applicable)															WYOMING DEPT OF FIRE PREVENTION AND ELECTRICAL SAFETY		
Offering mode(s) (trad., distance or hybrid)		TH	THD	TH	T	T	T	T	TH	TH	T	TH	T	T	T	T	T
Four letter course prefix		ENR; GEOL	MKT; ENR; GEOL; ECON; HOSP; ACCT; GEOG	BIOL; ENR; ZOO	COSC; ES	CMAP; INET; MKT; BADM; COSC; IMGT	CSEC; CSCO; ELTR; CMAP; INET	ES; MATH; PHYS; COSC	SPAN; ASL; COMM; CO/M; ANTH; FREN; GERM; JAPN; RUSS; POLS	BIOL; CHEM; MOLB	CHEM	GEOL; CHEM; MATH	PHYS; MATH	CNTK; ENTK	ELAP	ENTK; MCHT	WELD
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	628.0	3,245.0	6,372.0	1,419.0	3,215.0	1,031.0	9,556.0	6,392.0	5,340.0	1,433.0	9,270.0	8,137.0	1,700.0	2,121.0	1,403.0	1,335.5
	AY 19-20	434.0	3,391.0	6,189.0	1,032.0	2,548.0	1,108.5	9,350.0	7,050.0	5,114.0	1,426.0	9,458.0	8,318.0	1,508.0	1,947.0	1,142.0	1,040.5
	AY 18-19	605.0	3,575.0	6,084.0	1,343.0	3,021.0	1,296.5	9,630.0	7,035.0	5,128.0	1,473.0	9,652.0	8,287.0	1,507.0	1,571.0	1,428.0	1,033.0
	AY 17-18	622.0	3,664.0	5,251.0	1,249.0	2,868.0	1,361.5	9,591.0	6,785.0	4,802.0	1,515.0	9,600.0	8,342.0	1,441.5	1,660.0	1,371.0	1,055.0
	AY 16-17	713.0	3,820.0	5,250.0	1,255.0	2,716.0	1,430.0	10,415.0	6,913.0	4,687.0	1,690.0	10,637.0	9,160.0	1,414.5	2,014.0	1,264.0	1,030.5
Number of declared majors for the past five academic years	*AY 20-21*	18	3	55	77	16	43	79	45	70	6	20	9	11	32	87	22
	AY 19-20	18	--	54	77	13	50	85	52	77	7	25	11	10	26	99	24
	AY 18-19	13	--	63	76	10	39	98	45	71	14	28	15	17	20	87	24
	AY 17-18	8	--	58	74	7	26	105	25	75	19	32	12	15	8	67	21
	AY 16-17	10	--	52	79	10	30	125	23	79	18	32	10	13	1	63	21
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	3	0	6	3	1	3	6	5	3	2	1	1	1	1	20	7
	AY 19-20	2	--	4	4	0	4	11	7	4	0	4	2	1	0	9	6
	AY 18-19	1	--	4	7	0	4	7	8	8	1	3	5	2	0	9	4
	AY 17-18	0	--	3	5	0	3	7	4	9	7	4	7	1	0	16	4
	AY 16-17	1	--	4	8	0	3	6	2	7	5	5	1	1	0	22	9
Number of community college service area resident program graduates for the past five years	*AY 20-21*	1	0	4	3	0	2	4	3	3	1	1	1	0	1	8	4
	AY 19-20	1	--	2	4	0	3	7	6	2	0	2	2	1	0	3	3
	AY 18-19	1	--	3	3	0	3	5	4	5	0	2	3	1	0	2	3
	AY 17-18	0	--	1	2	0	2	4	3	6	4	3	2	0	0	11	3
	AY 16-17	1	--	3	6	0	2	1	0	6	3	4	1	0	0	15	5
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	3	0	5	3	1	3	6	5	3	2	1	1	1	1	16	7
	AY 19-20	2	--	4	4	0	3	11	5	4	0	3	2	1	0	7	6
	AY 18-19	0	--	2	7	0	3	7	8	7	1	3	4	2	0	8	3
	AY 17-18	0	--	3	2	0	3	6	4	9	7	3	6	0	0	13	4
	AY 16-17	1	--	4	8	0	3	6	2	7	5	5	1	1	0	20	7
Plan for assessment follow-up (none, in-progress or done)		in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress

Academic Year Reported:	2020-21	Central Wyoming Community College						
Program name or program cluster name that includes names of programs		Expedition Science Environmental Science	Computer Science	Engineering	Construction	Electrical	Welding	
CIP code(s)		3.0104 14.0401	11.0701	14.0101	46.0201	46.0302	48.0508	
Name or Type of credential(s)		Expedition Science AS Environmental Science and Leadership, AS EHS Environmental GIS Tech, CERT I EHS Expedition Science, Cert II	Computer Science, AS	Engineering, AS	Construction Technology, Cert II Construction Technology, AAS Construction Technology, Cert I	Electrical Apprenticeship, Cert II	Welding, AAS Welding, Cert I Welding, Cert II	
Name of specialized accreditation organization (if applicable)								
Offering mode(s) (trad., distance or hybrid)								
Four letter course prefix		N/A This program is comprised of courses from other departments	COSC	ES	CNTK	ELEC	WELD	
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	N/A	120	33	0	1023	269	
	AY 19-20	N/A	151	33	10	933	283	
	AY 18-19	N/A	83	45	45	389	377	
	AY 17-18	N/A	52	45	30	927	402	
	AY 16-17	N/A	101	30	63	957	407	
Number of declared majors for the past five academic years	*AY 20-21*	90	8	22	0	123	18	
	AY 19-20	23	9	22	1	108	18	
	AY 18-19	31	8	23	3	0	22	
	AY 17-18	16	14	28	0	0	23	
	AY 16-17	11	24	28	5	0	33	
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	7	0	4	0	12	4	
	AY 19-20	5	0	2	1	5	3	
	AY 18-19	1	3	2	0	0	9	
	AY 17-18	0	2	1	0	0	10	
	AY 16-17	2	0	3	0	0	8	
Number of community college service area resident program graduates for the past five years	*AY 20-21*	4	0	2	0	1	3	
	AY 19-20	3	0	2	0	2	2	
	AY 18-19	1	2	1	0	0	9	
	AY 17-18	0	2	1	0	0	10	
	AY 16-17	2	0	3	0	0	4	
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	4	0	2	0	10	4	
	AY 19-20	3	0	2	1	5	3	
	AY 18-19	1	2	2	0	0	9	
	AY 17-18	0	2	1	0	0	10	
	AY 16-17	2	0	3	0	0	5	
Plan for assessment follow-up (none, in-progress or done)		in-progress (4-year Program Assessment and Review)	in-progress (4-year Program Assessment and Review)	in-progress (4-year Program Assessment and Review)	in-progress (4-year Program Assessment and Review)	in-progress (4-year Program Assessment and Review)	in-progress (4-year Program Assessment and Review)	

Academic Year Reported:	2020-21	Eastern Wyoming Community College						
Program name or program cluster name that includes names of programs		Biology	Welding					
CIP code(s)		03.0601, 26.0101	48.0501, 48.0508					
Name or Type of credential(s)		WILD.AS,BIOL.AS,BWFO.AS	MTT.CD,WJSP.CD,WJTK.AAS,WJTK.C,WJTK.CD					
Name of specialized accreditation organization (if applicable)								
Offering mode(s) (trad., distance or hybrid)		Traditional	Traditional					
Four letter course prefix		BIOL,CHEM,GEOL,MOLB,PHYS,ZOO	CNTK,ELAP,ELTR,ENTK,MCHT,SAFE,TECH,TTD,WELD					
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	1780	2378					
	AY 19-20	1821	2938					
	AY 18-19	1961	3139					
	AY 17-18	1940	2559					
	AY 16-17	2004	2899					
Number of declared majors for the past five academic years	*AY 20-21*	11	95					
	AY 19-20	10	114					
	AY 18-19	22	128					
	AY 17-18	19	101					
	AY 16-17	18	126					
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	0	41					
	AY 19-20	1	51					
	AY 18-19	2	56					
	AY 17-18	1	45					
	AY 16-17	0	61					
Number of community college service area resident program graduates for the past five years	*AY 20-21*	0	7					
	AY 19-20	1	12					
	AY 18-19	0	24					
	AY 17-18	1	16					
	AY 16-17	0	18					
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	0	29					
	AY 19-20	1	42					
	AY 18-19	1	51					
	AY 17-18	1	34					
	AY 16-17	0	52					
Plan for assessment follow-up (none, in-progress or done)		in-progress	in-progress					

Academic Year Reported:	2020-21	Laramie County Community College						
Program name or program cluster name that includes names of programs		Computers	Engineering, General	Foreign Languages and Liteatures	Biology/Biological Sciences, General	Physical Sciences	Construction Trades, General	Machine Tool Technology/Machinist
CIP code(s)		11.0103; 11.0201; 11.0501; 11.0701; 11.1001; 11.1003	14.0101	16.0905	26.0101	40.0801	46.0302; 46.0503	48.0508
Name or Type of credential(s)		AAS - Computer Information Systems; AAS - Cybersecurity; AAS – Information Technology (New); AS - Computer Science; CD - CIS Cybersecurity Fundamentals (D/C); CD - CIS, Systems Administrator; CD - Network Administrator (CCNA)	AS - Engineering Science	AA - Spanish (Inactive); CD - Spanish in the Workplace (New)	AS - Biology; AS - Natural Science, Molecular Biology (Inactive); AS - Natural Science, Wildlife Biology (Inactive); AS - Natural Science, Zoology (Inactive); AS - Natural Sciences, Biology (Inactive)	AS - Natural Science, Physics Concentration (Inactive)	CD - Electrical Technician; CD - Plumbing Technology (Hiatus)	AAS-Welding Technology; CD - Welding Technology, Advanced Pipe Welding; CD - Welding Technology, Combination Welding; CERT - Welding (Inactive)
Name of specialized accreditation organization (if applicable)								
Offering mode(s) (trad., distance or hybrid)								
Four letter course prefix		CMAP; COSC; CSCO; CSEC; INET; LINX; MSFT	ES	SPAN	BIOL	PHYS	ELTR; FMT	WELD
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	2376	65	504	2468	256	177	1276
	AY 19-20	3439	242	709	2820	184	108	1348
	AY 18-19	3176	262	644	2770	224	0	1671
	AY 17-18	2710	324	814	2548	392	0	1112
	AY 16-17	2830	253	1037	2203	320	0	1350
Number of declared majors for the past five academic years	*AY 20-21*	169	58	0	58	1	9	43
	AY 19-20	196	65	0	114	7	5	66
	AY 18-19	184	68	0	85	3	0	47
	AY 17-18	175	73	0	89	0	0	37
	AY 16-17	170	88	1	114	0	0	47
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	33	0	0	12	0	9	31
	AY 19-20	27	5	0	3	0	3	22
	AY 18-19	27	3	0	2	1	0	34
	AY 17-18	26	7	0	9	0	0	23
	AY 16-17	27	1	0	0	0	0	34
Number of community college service area resident program graduates for the past five years	*AY 20-21*	29	0	0	12	0	8	24
	AY 19-20	18	4	0	1	0	1	16
	AY 18-19	22	3	0	2	1	0	26
	AY 17-18	25	5	0	8	0	0	17
	AY 16-17	25	1	0	0	0	0	26
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	31	0	0	12	0	9	27
	AY 19-20	21	4	0	1	0	1	20
	AY 18-19	23	3	0	2	1	0	28
	AY 17-18	25	6	0	8	0	0	18
	AY 16-17	27	1	0	0	0	0	27
Plan for assessment follow-up (none, in-progress or done)		AS done; remainder in-progress	Done	Scheduled for 5 year review 23-24	Done	None	In-progress	In-progress

Academic Year Reported:	2020-21	Northern Wyoming Community College District						
Program name or program cluster name that includes names of programs		Computer Science	Engineering	Biology	Construction Trades	Machine Tool	Welding	Industrial Technology
CIP code(s)		11.0101, 11.0401, 11.1003 11.1004, 11.1006	14.0101	26.0101	46.0201, 46.0302, 46.0415	48.0501	48.0508	48.9999
Name or Type of credential(s)		AAS, AS, CERT, CCD	AS	AS	AAS, CERT,CCD	AAS, CCD	AAS, CCD	AAS
Name of specialized accreditation organization (if applicable)		None	None	None	None	None	None	None
Offering mode(s) (trad., distance or hybrid)		T,D,H	T,D,H	T,D,H	T,D,H	T	T	T
Four letter course prefix		COSC, CMAP, INET, MSFT, CSEC, CSCO	ES, ENTK	BIOL, MOLB, ZOO, HLTK	CNTK, ELAP, ELTR	MCHT	WELD	TECH
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	1474.5	736	4231	1260	972	2127	-
	AY 19-20	1628	901	4904	1504	1041	1977	-
	AY 18-19	1683.5	753	4611	1434	970	1863	-
	AY 17-18	1684.5	627	4486	1456	1203	1921	-
	AY 16-17	1463.5	433	4126	1596	1200	1791	-
Number of declared majors for the past five academic years	*AY 20-21*	100	65	41	74	43	97	12
	AY 19-20	92	60	45	85	46	98	20
	AY 18-19	90	74	43	60	37	73	33
	AY 17-18	97	38	42	68	47	78	25
	AY 16-17	70	32	46	90	39	72	14
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	20	11	6	20	28	51	2
	AY 19-20	15	4	7	12	23	5	1
	AY 18-19	13	7	11	19	24	34	4
	AY 17-18	7	2	6	27	20	34	1
	AY 16-17	7	2	8	24	30	36	0
Number of community college service area resident program graduates for the past five years	*AY 20-21*	15	11	5	15	12	30	2
	AY 19-20	10	2	7	6	11	4	1
	AY 18-19	12	4	4	11	13	23	4
	AY 17-18	4	2	2	16	16	22	1
	AY 16-17	4	0	5	14	24	20	0
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	18	11	6	15	17	38	2
	AY 19-20	12	4	7	8	17	4	1
	AY 18-19	12	6	10	14	18	26	4
	AY 17-18	7	2	5	24	18	25	1
	AY 16-17	7	1	6	17	26	24	0
Plan for assessment follow-up (none, in-progress or done)		in-progress	in-progress	in-progress	in-progress	in-progress	in-progress	in-progress

Academic Year Reported:	2020-21	Northwest College						
Program name or program cluster name that includes names of programs		Computer Science	Engineering	Spanish	Biological Sciences	Physical Sciences	Technical Studies	Welding Technology
CIP code(s)		11.0101, 11.0401	14.0101	16.0905	03.0201, 26.0101, 51.1103, 51.1108, 51.1199	40.0501, 40.0801	46.0302	48.0508
Name or Type of credential(s)		AS, Certificate (Computer Science AS, K-12 Computer Science Endorsement)	AS	AA	AS (Natural Resource Biology AS, Biology AS, Pre-Pharmacy AS, Pre-Optometry AS, Pre-Occupational Therapy AS, Pre-Professional Sciences AS, Pre-Physical Therapy AS)	AS (Chemistry AS, Physics AS)	AAS	AAS, Certificate (Welding Technology AS, Advanced Welding Certificate, Welding Technology Certificate, Gas Metal Arc Welding Certificate, Gas Tungsten Arc Welding Certificate, Robotics Technology Certificate)
Name of specialized accreditation organization (if applicable)								
Offering mode(s) (trad., distance or hybrid)								
Four letter course prefix		COSC (labs not included)	ES (labs not included)	SPAN	BIOL, BOT, GEOG, MOLB, ZOO (labs not included)	CHEM, PHYS (labs not included)	ELAP	WELD (labs not included)
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	63	119	108	721	178	47	241
	AY 19-20	21	122	134	730	184	53	273
	AY 18-19	27	121	124	823	161	49	356
	AY 17-18	19	118	138	923	223	43	445
	AY 16-17	17	118	137	885	196	42	516
Number of declared majors for the past five academic years	*AY 20-21*	37	44	6	66	4	7	31
	AY 19-20	19	59	8	69	6	7	41
	AY 18-19	18	54	10	95	10	3	50
	AY 17-18	14	49	15	113	11	1	66
	AY 16-17	1	49	11	112	16	1	78
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	8	8	1	17	0	0	7
	AY 19-20	2	6	5	20	0	0	13
	AY 18-19	1	7	4	18	4	0	14
	AY 17-18	1	10	6	25	4	0	19
	AY 16-17	0	15	2	22	2	1	17
Number of community college service area resident program graduates for the past five years	*AY 20-21*	7	3	1	15	0	0	3
	AY 19-20	2	3	3	12	0	0	9
	AY 18-19	1	4	4	11	3	0	7
	AY 17-18	1	4	5	17	2	0	8
	AY 16-17	0	9	2	14	1	1	9
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	7	4	1	16	0	0	5
	AY 19-20	2	5	3	13	0	0	11
	AY 18-19	1	5	4	14	3	0	10
	AY 17-18	1	6	6	20	3	0	10
	AY 16-17	0	11	2	17	2	1	10
Plan for assessment follow-up (none, in-progress or done)		None	Done	Done	Done	Done	None	Done

Academic Year Reported:	2020-21	Western Wyoming Community College									
Program name or program cluster name that includes names of programs		AS.ENVIRONMENTAL SCIENCE - END DATE 7/29/2019 AS.NATURAL RESOURCES - END DATE 8/9/2020	AS.COMPUTER INFORMATION SYSTEMS - END DATE 7/29/2019 AS.COMPUTER SCIENCE COMPUTER SCIENCE ENDORSEMENT PREPARATION CERTIFICATE	AAS.BUSINESS INFORMATION SYSTEMS, APPLICATION SOFTWARE SPEC - END DATE 6/29/2021 APPLICATION SOFTWARE SPECIALIST CERTIFICATE	DIGITAL DESIGN TECHNOLOGIES CERTIFICATE WEB SITE DEVELOPMENT CERTIFICATE SOCIAL MEDIA CERTIFICATE	AS.PRE-ENGINEERING AS.ENGINEERING - END DATE 7/29/2019 AS.ENGINEERING, MECHANICAL	AA.SPANISH - END DATE 8/2/2021	AS.PRE-FORESTRY - END DATE 7/29/2019 AS.PRE-WILDLIFE BIOLOGY - END DATE 7/29/2019 AS.PRE-RANGELAND ECOLOGY - END DATE 7/29/2019 AS.BIOLOGY - END DATE 7/29/2019 AS.BIOLOGICAL SCIENCES, GENERAL - END DATE 8/2/2021 AS.BIOLOGICAL SCIENCES, ORGANIC - END DATE 8/2/2021	AS.CHEMISTRY - END DATE 6/29/2021 AS.GEOLOGY - END DATE 6/29/2021	AAS.MACHINE TOOL TECHNOLOGY - END DATE 8/9/2020 MACHINE TOOL TECHNOLOGY CERTIFICATE - END DATE 8/9/2020	WELDING TECHNOLOGY - FABRICATION SHOP CERTIFICATE WELDING TECHNOLOGY - INDUSTRIAL PLANT CERTIFICATE WELDING TECHNOLOGY - MINE MAINTENANCE CERTIFICATE AAS.WELDING TECH FABRICATION SHOP OPTION AAS.WELDING TECH INDUSTRIAL PLANT OPTION AAS.WELDING TECH MINE MAINTENANCE OPTION
CIP code(s)		3.0101	11.0401	11.0601	11.080111.1099	14.0101	16.0905	26.0101	40.050140.0601	48.0501	48.0508
Name or Type of credential(s)		AS AS.ENVR - END DATE 7/29/2019 AS.NTRLRES - END DATE 8/9/2020	AS/CERT AS.CIS - END DATE 7/29/2019 AS.CS CSEND	AAS/CERT AAS.BISAPPLSS - END DATE 6/29/2021 APPLSSPEC	CERT DIGTLDSGN WEB SOCMEDIA	AS AS.PREENG AS.ES - END DATE 7/29/2019 AS.ESME	AA AA.SPAN - END DATE 8/2/2021	AS AS.FORESTRY- END DATE 7/29/2019 AS.WILD- END DATE 7/29/2019 AS.ECOL- END DATE 7/29/2019 AS.BIOL- END DATE 7/29/2019 AS.BIOLGEN - END DATE 8/2/2021 AS.BIOLORG - END DATE 8/2/2021	AS AS.CHEM - END DATE 6/29/2021 AS.GEOL - END DATE 6/29/2021	AAS/CERT AAS.MCHT - END DATE 8/9/2020 MCHT - END DATE 8/9/2020	CERT/AAS WELDFAB WELDINDPL WELDMINE AAS.WELDFAB AAS.WELDINDPL AAS.WELDMINE
Name of specialized accreditation organization (if applicable)											
Offering mode(s) (trad., distance or hybrid)		ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
Four letter course prefix		G&R, GEOG, CHEM, BIOL	COSC, MATH	CMAP, BOTK	COSC, CMAP, BOTK	ES, MATH	LANG, SPAN	BIOL, CHEM, RNEW, GEOL, ENTO, G&R, MOLB	CHEM, GEOL, PHYS, MATH	MCH, WELD, TECH	WELD, TECH
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	*AY 20-21*	3398	5159	1918	2400	4837	748	3955	5722	2317	2214
	AY 19-20	4015	5665	2060	2546	5428	871	4582	6432	2372	2316
	AY 18-19	4283	6607	2022	3005	5853	932	4840	7045	2487	2381
	AY 17-18	4461	7950	1480	3237	6510	988	5026	7766	2470	2358
	AY 16-17	4369	8295	1674	3657	6737	1152	4905	7936	2678	2559
Number of declared majors for the past five academic years	*AY 20-21*	8	70	3	20	65	5	27	10	2	40
	AY 19-20	15	79	3	20	62	8	32	13	2	55
	AY 18-19	17	78	2	15	65	5	34	16	1	62
	AY 17-18	20	72	2	29	102	16	40	16	0	74
	AY 16-17	9	71	0	25	131	16	62	26	0	76
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 20-21*	0	10	1	3	3	1	2	2	0	3
	AY 19-20	1	7	3	1	3	1	3	0	0	7
	AY 18-19	1	16	0	3	7	2	8	4	0	7
	AY 17-18	0	3	1	3	13	7	7	3	0	9
	AY 16-17	2	13	0	13	12	4	11	6	0	7
Number of community college service area resident program graduates for the past five years	*AY 20-21*	0	8	1	3	2	0	1	1	0	3
	AY 19-20	1	6	3	1	3	1	3	0	0	5
	AY 18-19	1	11	0	3	5	2	6	3	0	6
	AY 17-18	0	2	1	2	7	6	6	3	0	9
	AY 16-17	1	9	0	10	9	4	10	4	0	7
Total number of Wyoming resident program graduates for the past five years	*AY 20-21*	0	9	1	3	2	0	1	1	0	3
	AY 19-20	1	6	3	1	3	1	3	0	0	5
	AY 18-19	1	16	0	3	5	2	6	3	0	6
	AY 17-18	0	3	1	2	8	6	6	3	0	9
	AY 16-17	1	9	0	10	9	4	11	5	0	7
Plan for assessment follow-up (none, in-progress or done)		none	in-progress	in-progress	in-progress	done	none	done	none	in-progress	done

New Program Projected Enrolled Majors, Actual Enrolled Majors, and Number of Graduates 2018-2021

COLLEGE	PROGRAM TITLE	DEGREE/CERT TYPE	START DATE 2018	CREDIT HOURS	CIP	Total PROGRAM GRADUATES Through June 2021	YEAR ONE PROJECTED ENROLLED MAJORS	YEAR ONE ACTUAL ENROLLED MAJORS (fall 2018)	YEAR TWO PROJECTED ENROLLED MAJORS	YEAR TWO ACTUAL ENROLLED MAJORS (fall 2019)	YEAR THREE PROJECTED ENROLLED MAJORS	YEAR THREE ACTUAL ENROLLED MAJORS (fall 2020)	COMMENT WHEN ENROLLED MAJORS IS LOW:
CC	Coaching	Cert	Fall 2018	15	13.1314	1	10	2	15	4	15	2	
CC	Personal Trainer	Cert	Fall 2018	29.33	31.0507	2	10	2	15	6	20	10	
CC	Kinesiology and Health Promotion	AS	Fall 2018	63.33	31.0505	10	8	4	10	13	15	16	
CWC	Communication	AA	Fall 2018	60-61	9.0101	23	10	20	15	17	20	14	
CWC	Film	AA	Fall 2018	60	50.0602	22	15	17	20	18	25	13	
CWC	Film	AAS	Fall 2018	60	50.0602	4	5	3	10	2	15	0	Program was inactivated Spring of 2017
CWC	New Media	AAS	Fall 2018	60	9.0702	8	6	9	10	15	12	15	
CWC	Medical Assistant	Cert	Fall 2018	31	31.9092	31	20	22	25	35	25	31	
EWC	Gunsmithing	AAS	Fall 2018	60	47.0402	8	15	0	15	14	20	25	
EWC	Precision Agriculture	Pilot AAS	Fall 2018	62-64	1.9999	0	NA	0	NA	3	NA	3	
EWC	Precision Agriculture	Pilot Cert	Fall 2018	31	1.9999	0	NA	0	NA	0	NA	0	
EWC	Welding Specialist	Pilot Cert	Fall 2018	30	48.0508	9	NA	0	NA	5	NA	3	
LCCC	Data Center Technician	CD	Fall 2018	18	47.0104	27	12	13	13	29	15	20	
LCCC	Equine Training	CD	Fall 2018	29	51.0801	16	15	13	15	11	20	15	Program inactive effective Fall 2021
NWCCD	Medical Assistant	Cert	Fall 2018	29	51.0801	18	12	12	16	7	16	1	Certificate moved to hiatus in FA20. Based on Industry Partner feedback the curriculum was reviewed and transitioned to two Nationally Certified training courses (Medical Administrative Assistant and Clinical Medical Assistant).
NWC	Criminal Justice	AAS	Fall 2018	60	43.0104	1	8	2	12	2	15	4	
NWC	Criminal Justice	Cert	Fall 2018	33	43.0104	0	8	0	12	1	15	2	
NWC	Certified Medical Assistant	Cert	Fall 2018	30	51.0801	8	25	6	25-28	6	25-28	9	Heightened course enrollment, indicating students' course interest but have yet declared a major.
WWCC	BIS: Social Media	Pilot Cert	Fall 2018	16	9.0702	2	NA	1	NA	2	NA	3	
WWCC	BIS: Digital Media	Pilot AAS	Fall 2018	64	9.0702	0	NA	1	NA	1	NA	3	Program ended 6/29/2021
WWCC	Police I	Pilot Cert	Fall 2018	30	43.0104	0	NA	1	NA	0	NA	0	Program ended 6/28/2019
WWCC	Computer Science Endorsement	Pilot Cert	Fall 2018	15	11.0101	19	NA	0	NA	5	NA	8	
WWCC	Application Software Specialist	Pilot AAS	Fall 2018	64	11.0601	0	NA	0	NA	0	NA	1	

COLLEGE	PROGRAM TITLE	DEGREE/CERT TYPE	START DATE 2019	CREDIT HOURS	CIP	Total PROGRAM GRADUATES Through June 2021	YEAR ONE PROJECTED ENROLLED MAJORS	YEAR ONE ACTUAL ENROLLED MAJORS (fall 2019)	YEAR TWO PROJECTED ENROLLED MAJORS	YEAR TWO ACTUAL ENROLLED MAJORS (fall 2020)	YEAR THREE PROJECTED ENROLLED MAJORS	YEAR THREE ACTUAL ENROLLED MAJORS (fall 2021)	COMMENT WHEN ENROLLED MAJORS IS LOW:
CC	Engineering Technology and Design	Cert	Fall 2019	30	15.1301	1	10	0	15	1	20		
CC	Hospitality and Tourism Management	AAS	Fall 2019	60	52.0901	9	16	0	20	9	24		
CWC	2-Dimension Art II One Year Cert	Cert	Fall 2019	28	50.0701	10	NA	0	NA	3	NA		
CWC	3 Dimension Art II One Year Cert	Cert	Fall 2019	28	50.0701	7	NA	1	NA	0	NA		
CWC	Artist Credential II One Year Cert	Cert	Fall 2019	40	50.0701	3	NA	0	NA	3	NA		
CWC	Electrical Apprenticeship	Cert	Fall 2019	26	46.0302	17	150	88	175	97	180		
CWC	Leadership Studies	Cert	Fall 2019	10	52.0201	0	15	0	20	1	25		The curriculum design and approval process took longer than originally anticipated, so advertisement of the course sequence was not effective for Fall 2019. Roll out began in earnest Spring 2020.
CWC	Medical Office Support	Cert	Fall 2019	12.5	51.071	14	12	8	18	0	18		
CWC	Patient Care Technician	Cert	Fall 2019	19	51.9999	0	8	2	12	8	15		
EWC	Human Services AA Degree	AA	Fall 2019	61-64	44	2	3	4	5	12	8		
EWC	Barbering/Stylist One Year Cert	Cert	Fall 2019	39	12.0402	4	5	5	7	1	8		
LCCC	Industrial Systems Technology Short Term Cert	Cert	Fall 2019	18	15.0699	4	30	10	40	13	40		
LCCC	Electrical Technology Short Term Cert	Cert	Fall 2019	18	46.0302	12	12	5	24	16	24		
LCCC	Plumbing Technology Short Term Cert	Cert	Fall 2019	18	46.0503	0	12	0	12	0	12		Program placed on Hiatus effective Fall 2021
NWCCD	Arts Administration	Cert	Fall 2019	15	50.0701	4	5	2	8	4	10		Although the projected numbers were higher, we did see program enrollment numbers double from year 1 to year 2, which is on target to continue. Increased marketing and promotion strategies are underway. This certificate will also be available online in hopes to increase enrollment.
NWCCD	Computer Science (from Computer Information Systems)	AS	Fall 2019	60	11.0401	1	10	13	15	20	20		Actual enrolled majors numbers exceed projected numbers. Total program graduates are low for first graduating cohort of the program. Additional software development program will be proposed to capture students not completing existing program.
NWCCD	Engineering Technology (from Computer Aided Design)	AAS	Fall 2019	61	15.130	6	10	11	15	6	20		Program in hiatus. Program under review and revision with analysis of community and statewide needs.
NWC	Conservation Law Enforcement AA Degree	AA	Fall 2019	60	3.0208	9	10	19	15	21	20		
WWCC	Paramedicine	AS	Fall 2019	73.5	51.0904	5	12	2	12	18	12		
WWCC	Cloud Computing	AAS	Fall 2019	64	15.1142	0	12	0	24	0	24		Program never got off the ground
WWCC	Cloud Computing	Cert	Fall 2019	30	15.1142	0	12	0	24	0	24		Program never got off the ground
WWCC	Powersports Technician	Cert	Fall 2019	43	47.0600	0	3	0	6	0	9		Program ended 8/9/2020
WWCC	Powersports Technician	AAS	Fall 2019	67	47.0600	0	3	0	6	0	9		Program ended 8/9/2020

COLLEGE	PROGRAM TITLE	DEGREE/CERT TYPE	START DATE 2020	CREDIT HOURS	CIP	Total PROGRAM GRADUATES Through June 2021	YEAR ONE PROJECTED ENROLLED MAJORS	YEAR ONE ACTUAL ENROLLED MAJORS (fall 2020)	YEAR TWO PROJECTED ENROLLED MAJORS	YEAR TWO ACTUAL ENROLLED MAJORS (fall 2021)	YEAR THREE PROJECTED ENROLLED MAJORS	YEAR THREE ACTUAL ENROLLED MAJORS (fall 2022)	COMMENT WHEN ENROLLED MAJORS IS LOW:
CC	Outdoor Recreation	AS	Fall 2020	60	03.0207	0	16	2	20		24		
CC	Community Emergency Medical Services	Cert	Fall 2020	16	51.0904	0	10	0	12		12		
CC	Ranch and Agro Tourism Management	Cert	Fall 2020	33	01.0104	0	15	0	30		45		
CC	Web Design and Development	AAS	Fall 2020	60	11.0801	0	10	4	15		20		
CC	Web Design and Development	Cert	Fall 2020	30	11.0801	1	10	1	15		20		
CWC	Meat Processing Certificate II	Cert	Fall 2020	15	12.0506	0	5	0	7		9		Experienced difficulties hiring and retaining an instructor, as well as delays with the facility.
CWC	Organizational Management and Leadership	BAS	Fall 2020	120	52.0213	0	25	49	38		50		
CWC	Barbering no Chemicals	Cert	Fall 2020	38	12.0402	0	9	0	9		9		Experienced difficulties retaining an instructor. Program on hold. No classes will be offered this academic year.
CWC	Barbering Stylist	Cert	Fall 2020	47	12.0402	0	9	0	9		9		Experienced difficulties retaining an instructor. Program on hold. No classes will be offered this academic year.
LCCC	Science, Technology, Engineering, Mathematics (STEM)	AS	Fall 2020	60-68	30.0000	0	90	44	100		110		
NWC	Emergency Medical Services - Paramedicine	AAS	Fall 2020	65	51.0904	0	12	10	24		24		
NWC	Computer Science K12 Endorsement	Cert	Fall 2020	15	11.0401	14	10	16	10		10		
NWCCD	Computer Science Pathway Certificate	Cert	Fall 2020	16	11.0199	4	2	2	3		3		This certificate was created in response to Wyoming Professional Teaching Standards Board (PTSB) Computer Science Endorsement to meet requirements of Senate Enrolled Act 48 requiring public school districts to offer computer science in K-12 no later than 22-23 school year. We are working with school districts and teachers in our service area to meet their needs.
WWCC	AA.MULTIDISCIPLINARY STUDIES	AA	Fall 2020	64	24.0102	3	30	5	40		50		
WWCC	AS.MULTIDISCIPLINARY STUDIES	AS	Fall 2020	64	24.0102	12		17					
WWCC	Natural Sciences	AS	Fall 2020	64	30.1801	6	12	7	16		20		
WWCC	Pre-Engineering	AS	Fall 2020	64	14.0101	0	15	8	20		25		
WWCC	BAS.BUSINESS, INDUSTRIAL MANAGEMENT	BAS	Spring 2021	120	52.0201	0	16	0	24		32		
WWCC	BAS.BUSINESS, ORGANIZATIONAL MANAGEMENT	BAS	Spring 2022	120	52.0202	0	17	0	25		33		

Discontinued Programs: 2020-2021 Academic Year

College	CIP	Degree /Cert	Program Title	Initial Program	
CC	11.1003	AAS	Associate of Applied Science Degree in Computer Security	1/18/2012	
CC	11.1003	AS	Associate of Science Degree in Computer Security	1/14/2013	
CC	11.1003	CER	Computer Security Certificate	1/14/2013	
CC	15.1301	AAS	Associate of Applied Science, Drafting & Design Tech	11/23/1999	
CC	15.0613	AAS	Associate of Applied Science, Manufacturing Technology	10/18/2005	
CC	11.0801	AAS	Associate of Applied Science Degree in Web Design	10/24/2007	
CC	11.0801	CER	Web Design Certificate	10/24/2007	
CC	11.1004	AAS	Associate of Applied Science Degree in Web Development	2/25/2008	
CC	3.0601	AS	Associate of Science in Wildlife Management	11/23/1999	
CWC	1.0507	AAS	Equine Management: Entrepreneur Options, AAS	N/A	
CWC	1.0507	AAS	Equine Management: Teaching Riding Option, AAS	N/A	
CWC	1.0507	CCD	Equine Management: Entrepreneur Option, Cert I	N/A	
CWC	5.0202	CRED	American Indian Studies, Cert II	4/1/2007	
CWC	5.0199	CRED	Mormon Migration, Cert II	4/1/2007	
CWC	5.0199	CRED	Oregon Trail, Cert II	4/1/2007	
EWC	27.0501	AS	STATISTICS (AS)	8/29/1991	
EWC	3.0601	AS	WILDLIFE AND FISHERIES BIOLOGY MANAGEMENT (AS)	8/25/1999	
EWC	43.0104	AAS	CRIMINAL JUSTICE (AAS)	9/5/1978	
EWC	43.0102	CD	CRIMINAL JUSTICE-CORRECTIONS (CERT 1 YR)	8/27/2007	
EWC	43.0102	CD	CRIMINAL JUSTICE-CORRECTIONS DISTANCE LEARNING (CERT 1 YR)	6/28/2012	
EWC	51.1102	AS	PREPROFESSIONAL MEDICINE (AS)	8/29/1991	
EWC	51.1101	AS	PREPROFESSIONAL DENISTRY (AS)	9/13/1965	
EWC	51.1103	AS	PREPROFESSIONAL PHARMACY (AS)	8/29/1991	
EWC	51.1199	AS	PREPROFESSIONAL NURSING (AS)	8/29/1991	
LCCC	1.0106	AAS	Agribusiness Technology	1/1/1995	
LCCC	1.0308	AS	Agriculture – Agroecology Concentration	3/23/2017	
LCCC	1.1106	AS	Agriculture - Rangeland Ecology and Management	3/23/2017	
LCCC	47.0603	AAS	Auto Body Repair	1/1/1995	
LCCC	52.0201	AS	Business and Finance	6/1/2015	
LCCC	52.0703	AAS	Business - Small Business Management	3/4/2019	
LCCC	43.0199	AA	Criminal Justice - Corrections/Pre-Law	6/1/2015	
LCCC	13.0101	AA	Education	4/17/2001	
LCCC	13.1202	AA	Education, Elementary Education	3/3/2016	
LCCC	51.0001	AS	Health Sciences	6/1/2015	
LCCC	24.0101	AA	Interdisciplinary Liberal Arts	6/1/2015	
LCCC	26.0709	AS	Natural Sciences, Biology	6/1/2015	
LCCC	45.0101	AA	Social Sciences	6/19/2015	
LCCC	52.0703	AAS	Technical Studies	4/8/2009	
NWC			No programs discontinued at NWC during 2020-21.		
NWCCD	11.0401	AS	COMP.INFO.AS - Renamed as COMP.SCI.AS	5/21/2019	COMP.SCI.AS approved 5/21/19
WWCC	50.0301	AA	AA.DANCE, ENTERTAINMENT INDUSTRY	1/1/2017	Start Date
WWCC	50.0501	AA	AA. THEATRE EDUCATION	7/26/2019	Start Date
WWCC	50.0301	AAS	AAS.DANCE ENTREPRENEURSHIP	7/1/2019	Start Date
WWCC	47.0699	AAS	AAS.POWERSPORTS TECHNOLOGY	6/27/2019	Start Date
WWCC	47.0614	CCD	ALTERNATIVE FUEL VEHICLE TECHNOLOGY CERTIFICATE	1/1/2012	Start Date
WWCC	48.0501	AAS	AAS.MACHINE TOOL TECHNOLOGY	1/1/2018	Start Date
WWCC	3.0101	AS	AS.NATURAL RESOURCES	1/1/2017	Start Date
WWCC	43.9999	CCD	EMERGENCY MANAGEMENT CERTIFICATE	6/1/2008	Start Date
WWCC	48.0501	CCD	MACHINE TOOL TECHNOLOGY CERTIFICATE	1/1/2018	Start Date
WWCC	47.0699	CCD	POWERSPORTS TECHNOLOGY CERTIFICATE	6/27/2019	Start Date