



MUS
MONTANA
UNIVERSITY
SYSTEM

Montana's Future Ready K-12 Toolkit



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FAQ's and General Information

What is an Industry-Recognized Credential?

An industry-recognized credential is a certification that has been widely acknowledged as holding value within a specific industry or field. Recipients of such credentials have demonstrated that they possess the knowledge, skills and competencies required to perform specific tasks or roles within that industry. Designated as a validation of an individual's expertise, IRCs serve as a trusted benchmark for employers and stakeholders.

By earning an industry-recognized credential, individuals enhance their employability and professional credibility as well as their career advancement prospects. IRCs are developed in close collaboration with industry experts to ensure outcomes align with current and future job market needs. In offering IRCs, districts effectively equip students with specific in-demand knowledge and skills employers are seeking. Alignment of IRCs to CTE pathways allows students to explore diverse career paths while acquiring real-world skills and experiences that may help shape their career trajectories.

Many IRCs are stackable, meaning they can be accumulated and built upon over time. Students earning entry-level credentials may pursue additional related credentials as they progress through programs.

Dual Enrollment Best Practices

- **Talk to a college/dual enrollment adviser.** They will help you choose courses that are aligned with career and education pathways that interest you. They will also help you understand how your dual enrollment credits will transfer and how financial aid will work if you decide to enroll in college after high school. Although your courses will almost always transfer, they may not transfer as a course that you can use for your selected major. It is your responsibility to check with the college of your choice to make sure you are taking courses that can be applied to your degree. [Find contact information for campuses here.](#)
- **Take it seriously.** Dual enrollment courses are college-level and expectations are the same for all students. If you are struggling in a course, talk to your instructor and your adviser. Don't miss class and make sure you have the correct textbooks and required materials before the first day.
- **Set yourself up for success.** Don't overload yourself and take too many courses in a semester. Talk with your adviser and your high school counselor to determine what makes the most sense for you. Keep up with readings and assignments, and learn how to take good notes. Check your email regularly and use college resources that are available to you.
- **You can do this!** Many students who think they aren't ready for college are successful - as long as you take the classes seriously and try your best.

Math Pathways

The Montana University System follows math pathways to create consistency and discipline alignment across the system for first college math classes within programs. Not every 100-level math course will meet every program's specific requirements. Math is one of the most commonly taken dual enrollment courses and choosing carefully depending on student goals and connecting with a college advisor is strongly recommended. MUS math pathways were updated in 2026 and the table below outlines the math course-taking recommendations in place across the system.

Program Area (Meta-major)	Recommended Math Course
Allied Health	M105 or M140 credential goals
Business	STAT 216*
Nursing	M141 (preferred) M121 (acceptable)
Social Sciences	STAT 216*
STEM	M121
Trades	Campus and program dependent

*If a student is not ready for STAT216, M105 is the accepted pre-requisite.

Montana Digital Academy

[Montana Digital Academy](#) offers a variety of High School Dual Credit courses through partnerships with Helena College, Missoula College, Highlands College, UM Western, and Gallatin College. More information and current course offerings can be found [here](#).

Montana Credential Registry

The STARS Act (HB 252 of the 2025 legislative session) requires the Department of Labor and Industry adopt a list of industry-recognized credentials, combinations of credentials, and work-based learning experiences, and to assign the “credit” value of each. More information can be found [here](#).

OPI Future Ready Information & Montana Career Pathways

The Office of Public Instruction summarizes the STARS Act [here](#), including information related to the Teacher Incentive funding. Information about Perkins funding and secondary programs of study within the [Montana Career Pathways](#), can also be found on their website.

College & Career Pathways

These resources are designed to support you and your school community in developing postsecondary credit and career opportunities outlined in the STARS Act (HB 252 of the 2025 legislative session). This toolkit aims to support district leadership in establishing infrastructure that will allow for growth in dual enrollment, workforce training, and industry recognized credentials to high school students. The information in this toolkit is not exhaustive. Please contact your nearest college for more information.

Education

Education Degrees and Majors

Certificates	Associate Degrees
Early Childhood Education	Early Childhood Education
Infant and Toddler Development and Education	Education Pathway/ Education Studies
	Agriculture Education & Leadership
	Health and Physical Education
Bachelors Degrees	
Secondary Education	Art Education K-12
Health and Physical Education	Agriculture Education
Business and Computer Education	Elementary Education
Biology & Secondary Education	Early Childhood Education
Earth Science & Secondary Education	Music Education
English and Secondary Education	Mathematics and Secondary Education
Special Education	Theatre Education
Spanish Language Education	

Montana Colleges Offering Education Programs

[Montana State University](#)

[Montana Technological University](#)

[Montana State University Northern](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Helena College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[Dawson Community College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

EDU 101 Teaching and Learning

EDU 201 Introduction to Education w/ Field Experience

EDU 204 Early Field Experience

EDU 211 Multicultural Education

EDU 222 Educational Psychology

EDU 247 Child and Adolescent Development

EDEC 108 Introduction to Early Childhood Education
 EDEC 130 Health, Safety, and Nutrition in Early Childhood
 EDEC 210 Meeting the Needs of Families
 EDEC 230 Guiding the Young Child
 EDEC 249 Infant/Toddler Development and Group Care
 EDEC 247 Child and Adolescent Growth and Development
 EDEC 265 Leadership and Professionalism in Early Childhood Education
 ECP 100 First Aid and CPR
 M 105 Contemporary Math
 M 121 College Algebra
 M 132 Number and Operations for K-8 Teachers
 M 133 Geometry and Geometric Measurement for K-8 Teachers
 WRIT 101 College Writing
 PSYX 100 Intro to Psychology
 COMX 115 Intro to Interpersonal Communication
 100-level History/ Social Science
 100-level Humanities/Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Early Childhood Certificate of Technical Studies (1 semester)	Great Falls College
Early Childhood Certificate of Applied Science (2 semesters)	Great Falls College
Early Childhood Certificate	UM Western
ECP 100 First Aid and CPR	UM Western Montana State University MSU Billings Great Falls College Dawson Community College Flathead Valley CC Miles Community College

RELATED INDUSTRY RECOGNIZED CREDENTIALS
Infant and Toddler CPR
Child Development Associate
AAFCS: Early Childhood Education / Education Fundamentals

Healthcare & Human Services

Healthcare and Human Services Degrees and Majors

Certificates	Associate Degrees
Healthcare Core	Allied Health (Pre-Professional Programs)
Pre-Health Professions/ Pre-Nursing	Social Work
Practical Nursing	Pre-Health/Nursing/Pharmacy
Medical Assistant/Clinical Medical Assisting	Human Services
Phlebotomy	Chemical Addiction Studies
Medical Laboratory Assistant	Rural Public Health
Dental Assistant	Medical Assisting
EMT/Pre-Paramedicine	Paramedicine
Advanced Medical Imaging	Radiologic Technology
Medical Claims Specialist	Registered Nurse
Rural Public Health	Respiratory Care
Medical Reception	Surgical Technology
Behavioral Health Technician	Physical Therapy Assistant
Health Information Coding Specialist	Dental Hygiene
Medical Coding	Diagnostic Medical Sonography
Addiction Counseling	Health Information Technology
Substance Abuse & Addictions Counseling	Cosmetology
Foundations of Health Care	
Bachelors Degrees	
Health and Human Performance	Biology Medical Laboratory Science
Integrated Health Sciences	Health Administration
Exercise and Health Science	Kinesiology
Occupational Safety & Health	Nursing
Health and Human Performance	Community Health
Social Work	Public Health

Montana Colleges Offering Healthcare Programs

[Montana State University](#)

[Montana Technological University](#)

[Montana State University Northern](#)

[Missoula College](#)

[Helena College](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Highlands College](#)

[Aaniih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[Gallatin College](#)

[City College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

[UM Bitterroot](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

AHHS 112 Foundations of Community and Behavioral Health

AHMS 105 Health Care Delivery

AHMS 144 Medical Terminology

AHMA 201 Medical Assisting Clinical Procedures I

AHMA 203 Medical Assisting Clinical Procedures II

HTH 101 Opportunities in Health Professions

ECP 100 First Aid and CPR

BIOB 101 Discover Biology

BIOB 160 Principles of Living Systems

BIOB 170 Principles of Biological Diversity

BIOH 112 Human Form and Function I

BIOH 113 Human Form and Function II

BIOH 201 Anatomy and Physiology I

CHMY 121 Intro to General Chemistry

CHMY 123 Intro to Organic & Biochemistry

CHMY 141 College Chemistry I

CHMY 143 College Chemistry II

M 105 Contemporary Math

M 121 College Algebra

M 122 College Trigonometry

M 140 College Math for Healthcare

M 151 Precalculus

M 162 Applied Calculus

M 171 Calculus I

M 172 Calculus II

NRSG 106 Certified Nursing Assistant

NRSG 107 Perspectives of Nursing

PSYX 100 Intro to Psychology

WRIT 101 College Writing I

WRIT 201 College Writing II

COMX 111 Intro to Public Speaking

COMX 115 Intro to Interpersonal Communication

SOCI 101 Introduction to Sociology

100-level History/Social Science

100-level Humanities/ Arts

100-level Natural Science

100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Clinical Medical Assisting Certificate of Technical Skills - Option to add Registered Phlebotomy Tech	Missoula College
Medical Assistant Certificate of Applied Science	Gallatin College Flathead Valley CC
Medical Claims Specialist Certificate of Technical Studies	Missoula College

Pre-Health Professions Studies / Healthcare Core / Pre-paramedicine Certificate of Technical Studies	Missoula College Flathead Valley CC Great Falls College
Foundations of Healthcare Certificate (opportunity to test for Clinical Nursing Assistant License)	Highlands College
Medical Lab Assistant Certificate of Applied Science	Gallatin College
Emergency Medical Technician	Great Falls College City College Helena College
Certified Nursing Assistant Certificate / Certified Nurse Aid	Great Falls College Flathead Valley CC Highlands College Miles Community College
Health Information Coding Specialist Certificate of Applied Science	Great Falls College
Phlebotomy Technician Certificate	Miles Community College Helena College Gallatin College
Certified Mental Health Technician	Helena College
Behavioral Health Certificate of Technical Studies	Gallatin College
Behavioral Health Certificate of Applied Science	Highlands College
Healthcare Administrative Professional Certificate of Applied Science	Gallatin College
ECP 100 First Aid and CPR	UM Western Montana State University MSU Billings Great Falls College Dawson Community College Flathead Valley CC Miles Community College

INDUSTRY RECOGNIZED CREDENTIALS

First Aid/CPR/AED

OSHA 10 or OSHA 30

Certified Pharmacy Technician

Emergency Medical Technician (EMT)

AHIMA Microcredential Release of Information Microcredential

MedCerts Certifications: Medical Billing Specialist / Certified Phlebotomy Technician / Behavior
Technician Specialist / Professional Coder / Medical Assistant

Advanced Manufacturing & Construction (Skilled Trades)

Skilled Trades Degrees and Majors

Certificates	Associate Degrees
Welding and Metal Fabrication Technology	Industrial Trades
Welding Technology	Welding/Welding & Fabrication Technology
Electrical Technology	Precision Machining Technology
Electronics Technician	Electrical Technology
Firearms Technologies	Surveying
HVAC Apprentice	Firearms Technologies
Building Trades	Pipefitting
Pre-Apprentice Line	Plumbing Technology
Construction Technology	Metals Manufacturing
Highway Construction	Design Drafting Technology
Construction Management	Construction Management
Green Building	Instrument and Electrical Technician
Heavy Equipment Operation	HVAC and Refrigeration
CNC Robotic Tending and Integration	Photonics and Laser Technology
Computer Aided Drafting & Design	Civil Engineering Technology
Industrial/CNC Machine/Precision Machining Technology	Construction Technology - Carpentry
Precision Machining	
Construction Carpentry	
Bachelors Degrees	
Civil Engineering Technology	Trades Management
Construction Engineering Technology	Electrical Engineering
Industrial & Management Systems Engineering	Mechanical Engineering Technology
Industrial Technology	Construction Management
Business, Construction Management Track	Business, Management Track

Montana Colleges Offering Skilled Trades Programs

[Montana State University](#)

[Montana Technological University](#)

[Montana State University Northern](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Highlands College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[Missoula College](#)

[City College](#)

[Helena College](#)

[Dawson Community College](#)

[Gallatin College](#)

[Blackfeet Community College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

CSTN 100 Fundamentals of Construction Technology

CSTN 120 Carpentry Basics

CSTN 147 Blue Print Reading
 CSTN 160 Construction Concepts and Building
 DDSN 113 Technical Drafting
 DDSN 114 Introduction to CAD
 WLDG 110 Welding Theory I
 WLDG 111 Welding Theory Practical
 WLDG 145 Fabrication Basics
 WLDG 205 Applied Metallurgy
 M 105 Contemporary Math
 M 111 Technical Math
 WRIT 121 Technical Writing
 COMX 102 Interpersonal Skills in the Workplace
 COMX 106 Communicating in the Workplace

DUAL ENROLLMENT CREDENTIALS	
Welding / Welding Technology Certificate of Applied Science	Great Falls College Gallatin College Highlands College
Job Site Ready	Missoula College Gallatin College
Building Construction Basics Certificate of Technical Studies	Missoula College
HVAC Fundamentals Career Certificate	Flathead Valley CC
HVAC and Refrigeration Certificate of Technical Skills - Eligible for North American Technician Excellence (NATE) Core Exam Certification	Flathead Valley CC
HVAC Certificate of Applied Science	Gallatin College
Welding and Fabrication Certificate of Technical Studies	Flathead Valley CC
Welding Basics Certificate of Technical Studies	Missoula College
American Welding Society (AWS) Welder Performance Qualification Certificate	Flathead Valley CC Great Falls College
Carpentry Certificate of Applied Science	Gallatin College Highlands College

INDUSTRY RECOGNIZED CREDENTIALS
Job Site Ready - Accelerate Montana
First Aid/CPR/AED
OSHA 10 or OSHA 30
NCCER Certifications: Carpentry / CORE / Masonry / Electrical / Construction Site Safety Technician (CSST)
American Welding Society (AWS) Certifications
SNAP-ON HVAC Certification
NIMS Machining Level 1 & 2
Revit User Certification
SoilWorks Certification

Supply Chain and Transportation

Supply Chain and Transportation Degrees and Majors

Certificates	Associate Degrees
Automobile Collision Repair Technology	Automotive Technology
Automobile Refinishing Technology	Diesel Technology
Diesel Technology	Auto Collision Repair & Refinishing
Automotive Technology	Aviation
Aviation Airframe	Aviation Electronics Technology
Basic Transportation Entrepreneurship	Aviation Maintenance Technology
Commercial Driver's License (CDL)	
Airframe Maintenance Technology	
Bachelors Degrees	
Automotive Technology	Diesel Technology
Diesel Technology - Equipment Management	Diesel Technology - Field Maintenance
Business, Management Track	

Montana Colleges Offering Supply Chain & Transportation Programs

[Montana Technological University](#)
[Montana State University Northern](#)
[Flathead Valley Community College](#)
[Highlands College](#)
[Aaniiih Nakoda College](#)
[Helena College](#)
[Missoula College](#)

[City College](#)
[Gallatin College](#)
[Miles Community College](#)
[Blackfeet Community College](#)
[Little Big Horn College](#)
[Fort Peck Community College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

AST 102 Introduction to Automotive Services
 AST 106 Automotive Manual Drive Train and Axles
 AST 114 Automotive Brakes
 AST 160 Automotive Engine Repair
 DDSN 113 Technical Drafting
 DDSN 114 Introduction to CAD
 HEO 100 Commercial Truck Driving
 WLDG 101 Welding Fundamentals for Auto Tech/Diesel
 WLDG 110 Welding Theory I
 WLDG 111 Welding Theory Practical
 WLDG 145 Fabrication Basics
 M 105 Contemporary Math
 M 111 Technical Math
 WRIT 121 Technical Writing
 COMX 102 Interpersonal Skills in the Workplace
 COMX 106 Communicating in the Workplace

DUAL ENROLLMENT CREDENTIALS

Welding / Welding Technology Certificate of Applied Science	Great Falls College Gallatin College Highlands College
Certificate in Commercial Truck Driving (with opportunity to test for CDL)	Highlands College
Commercial Driver's License Certificate (CDL)	Helena College Miles Community College Flathead Valley CC Highlands College
Basic Transportation Entrepreneurship Certificate	Miles Community College

INDUSTRY RECOGNIZED CREDENTIALS

Automotive Service Excellence (ASE) Certifications

SNAP-ON Certifications: Multimeter / Scanner / Wheel Service

American Welding Society (AWS) Certifications

CASE Small Gas Engines

iCEV Principles of Small Engine Technology

John Deere University

First Aid/CPR/AED

OSHA 10 or OSHA 30

Digital Technology

Digital Technology Degrees and Majors

Certificates	Associate Degrees
Health Information Coding Specialist	Health Information Technology
Health Information Technology	Information Technology
Medical Coding	Cybersecurity/Network Technology
Computer Network Technology	Digital Design Technology
Cyber Security/Information Assurance	Web Development & Administration
IT Help Desk	Programming & Game Development
PC Maintenance Assistant	Web Development & Design
Computer Support	Computer Programming
Cyber Security and Information Assurance	Cyber Security and Information Assurance
IT Network Technology	IT Network Technology
Computer Programming	
Bachelors Degrees	
Computer Science	Computer Engineering
Data Science	Cybersecurity and Network Administration
Software Engineering	Algorithm Design
Information Systems and Technology	

Montana Colleges Offering Digital Technology Programs

[Montana State University](#)

[Montana Technological University](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Highlands College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[UM Bitterroot](#)

[University of Montana](#)

[City College](#)

[Helena College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Gallatin College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

[Missoula College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

M 121 College Algebra

M 151 Precalculus

M 162 Applied Calculus

M 171 Calculus I

M 172 Calculus II

STAT 216 Introduction to Statistics

WRIT 101 College Writing I

WRIT 121 Technical Writing

WRIT 201 College Writing II

CSCI 100 Introduction to Programming

CSCI 105 Computer Fluency

CSCI 107 The Joy & Beauty of Computing
 CSCI 127 Joy and Beauty of Data
 CSCI 172 Introduction to Computer Modeling
 CSCI 181 Web Design and Programming
 CSCI 215 Social and Ethical Issues in CS
 ITS 130 Cybersecurity Essentials
 ITS 164 Networking Fundamentals
 ITS 210 Network OS - Desktop
 ITS 212 Network OS - Server Admin
 ITS 218 Network Security
 ITS 222 Enterprise Security
 ITS 224 Introduction to Linux
 ITS 271 Securing Desktop/Mobile Devices
 ITS 274 Ethical Hacking and Network Defense
 ITS 279 Cloud Systems
 ITS 280 Computer Repair and Maintenance
 ITS 289 Professional Certification
 PSYX 100 Intro to Psychology
 COMX 111 Introduction to Public Speaking
 COMX 115 Introduction to Interpersonal Communication
 100-level History / Social Science
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Cybersecurity Certificate of Technical Skills (Includes CompTIA Network+ and Security+)	Missoula College
Cybersecurity Pathway (Includes Network+ Certification, A+ Certification, Linux + Certification, and Security+ Certification)	Great Falls College Gallatin College
IT Computer Network Technology Certificate of Applied Science (Includes CompTIA A+, CompTIA Network+, Cisco Certified Entry Networking Technician, Microsoft Technology Associate)	Gallatin College
Certified Fire Optics Certificate	Helena College

INDUSTRY RECOGNIZED CREDENTIALS
Certiport: Adobe / Adobe Animate / Adobe Certified Associate (ACA) / Adobe Dreamweaver / Adobe Illustrator / Adobe InDesign / Adobe Photoshop / Communication Skills for Business / Information Technology Specialist / Microsoft 365 Fundamentals / Microsoft Office Specialist (MOS)
CompTIA: CASP+ / Cloud Essentials+ / Security+ / A+ / Data+ / Network+
CISCO: CCNP Routing and Switching / Certified CyberOps Associate / Certified DevNet Associate / Intro to Cybersecurity / Intro to Modern AI / AI Fundamentals with IAM SkillsBuild / Python Essentials 1-PECEP Certified Entry-Level Python Programmer / Ethical Hacker / IT Support Specialist / Junior Cybersecurity Analyst

Microsoft Certified: Dynamics 365 Fundamentals (CRM & ERP) / Power BI Data Analyst Associate / Security Operations Analyst Associate

CodeHS: Cybersecurity Level 1 / Cybersecurity Level 2 / Python / Web Design

Google Cloud: Professional Cloud Network Engineer Certification / IT Support Professional Certificate / Engineering Certificate / Data Analytics Professional Certificate / Cybersecurity

Amazon: AI Practitioner / Advanced Networking Specialty / Machine Learning Speciality

YouScience: Algorithms and Data Structures / Business Office Specialist / Cloud Computing 1 & 2 / Computer Programming 1 & 2 / Computer Science Principles / Computer Systems 1 & 2 / Computer Technology 1 & 2 / Cyber Forensics / Information Technology / Principles of Cyber Defense and Ethics

Business, Management & Financial Services

Business, Management, and Financial Services Degrees and Majors

Certificates	Associate Degrees
Healthcare Administrative Professional	Health Administration
Human Resource Management	Medical Administration & Coding
Accounting/Accounting Technology	Business Administration
Entrepreneurship	Business Management
Project Management	Accounting Technology
Payroll Accounting	Small Business Management
Social Media Marketing	Office Management & Supervision
Bookkeeping/ Quickbooks Bookkeeping	Business, Farm and Ranch Specialist
Business Management	
Office Support	
Business Media Design	
Customer Relations	
Sales and Marketing	
Digital Marketing	
Bachelors Degrees	
Business Administration	Hospitality Business
Management	Agribusiness Management
Finance	Business and Information Technology
Accounting	Business, Construction Management
Marketing	Entertainment, Event, and Sport Management
International Business	Farm and Ranch Management

Montana Colleges Offering Business, Management & Financial Services Programs

[Montana State University](#)

[Montana Technological University](#)

[Montana State University Northern](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[City College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[Helena College](#)

[Missoula College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[Dawson Community College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

[Gallatin College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

STAT 216 Introduction to Statistics

WRIT 101 College Writing I

WRIT 121 Technical Writing
 WRIT 201 College Writing II
 CAPP 131 Basic MS Office
 CAPP 156 MS Excel
 BGEN 105 Introduction to Business
 BGEN 235 Business Law
 BFIN 205 Personal Finance
 BMKT 225 Marketing
 ACTG 101 Accounting Procedures I
 ACTG 102 Accounting Procedures II
 ACTG 180 Payroll Accounting
 ACTG 201 Principles of Financial Accounting
 MART 232 Interactive Web II
 MART 255 Introduction to Photoshop
 PSYX 100 Intro to Psychology
 COMX 111 Introduction to Public Speaking
 COMX 115 Introduction to Interpersonal Communication
 100-level History/ Social Science
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Entrepreneurship Certificate of Applied Science	Helena College Miles Community College Flathead Valley CC
Accounting Certificate	Miles Community College
Principles of Banking and Personal Finance Certificate	Helena College
Office Support Certificate of Applied Science	Great Falls College

INDUSTRY RECOGNIZED CREDENTIALS
Google: Project Management Professional / Digital Marketing & E-Commerce Professional
Cisco Discovering Entrepreneurship
iCEV: Business Office Technology/ Career Preparedness/ Professional Communications
YouScience: General Financial Literacy / Business Communication 1 & 2 / Business Concepts / Business Law / Business Leadership 1 & 2 / Business Management / Business Office Specialist / Entrepreneurship / Exploring Business, Finance and Marketing / Digital Marketing / Event Planning and Management / Graphic Design 3 / Influencer and Content Marketing / Sports and Entertainment Marketing / Sports and Outdoor Recreation Marketing
Certiport: Quickbooks Certification/ Entrepreneurship and Small Business / Excel Certification / Microsoft Office Specialist (MOS) / Adobe / Adobe Animate / Adobe Certified Associate (ACA) / Adobe Dreamweaver / Adobe Illustrator / Adobe InDesign / Adobe Photoshop / Communication Skills for Business
Intuit Academy: Tax Level 1/ Tax Level 2/ Tax Preparation / Bookkeeping Certification

Energy & Natural Resources

Energy & Natural Resources Degrees and Majors

Certificates	Associate Degrees
Restoration	Natural Resources/Environmental Science
Professional Landman	Tribal Natural Resources/Environmental Science
Technical Skills	Environmental Sciences
Pre-Apprentice Line	Hydrology Technician
Hydrology Technician Assistant	Natural Resource & Range Management
	Wildland Fire Management
	Natural Resource/Geospatial Technology
	Natural Resources Conservation & Management
	Process Plant Technology
	Mining Technology
Bachelors Degrees	
Wildland Fire Management	Environmental Studies
Environmental Sustainability	Natural Resource Science
Conservation Biology & Ecology	Environmental Biology
Environmental Horticulture	Environmental Engineering
Fish and Wildlife Ecology & Management	Geospatial & Environmental Analysis
Land Rehabilitation	Rangeland Ecology & Management
Science, Environment, Technology & Society	Sustainable Food & Bioenergy Systems
Mining Engineering	Petroleum Engineering
Earth, Water, and Climate Science	

Montana Colleges Offering Energy & Natural Resources Programs

[Montana State University](#)

[Montana Technological University](#)

[Stone Child College](#)

[Little Big Horn College](#)

[Flathead Valley Community College](#)

[Highlands College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[City College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Highlands College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

EGEN 101 Intro to Engineering Calc & Problem Solving

M 105 Contemporary Math

M 111 Technical Math

M 121 College Algebra

M 122 College Trigonometry

M 151 Precalculus

M 162 Applied Calculus

M 171 Calculus I

M 172 Calculus II
 BIOB 101 Discover Biology
 ENSC 105 Environmental Science
 NRGY 101 Introduction to Sustainable Energy
 NRSM 101 Natural Resource Conservation
 PSYX 100 Intro to Psychology
 WRIT 101 College Writing I
 WRIT 201 College Writing II
 WRIT 121 Technical Writing
 COMX 111 Intro to Public Speaking
 COMX 115 Intro to Interpersonal Communication
 SOCI 101 Introduction to Sociology
 100-level History/Social Sciences
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Job Site Ready	Missoula College Gallatin College
Building Construction Basics Certificate of Technical Studies	Missoula College
HVAC Fundamentals Career Certificate	Flathead Valley CC
HVAC and Refrigeration Certificate of Technical Skills - Eligible for North American Technician Excellence (NATE) Core Exam Certification	Flathead Valley CC

RELATED INDUSTRY RECOGNIZED CREDENTIALS
iCEV: Ecology Conservation & Management / Fundamentals of Conservation & Sustainability in Agriculture
YouScience: Natural Resources Science 1 & 2 / Plant and Soil Science
SNAP-ON HVAC Certification
EPA 608 & EPA Universal
OSHA 10 or OSHA 30
First Aid/CPR/AED

Public Service and Safety

Public Service and Safety Degrees and Majors

Certificates	Associate Degrees
Crow Studies/Tribal Management	Cheyenne Studies
Tribal Management	American Indian Studies
Legal Studies	Piikani Studies
Law Enforcement	Criminal Justice
Fire and Emergency Services	Nakoda Dakota Studies
Correctional Secure Care	Tribal Governance & Administration
	Tribal Historic Preservation
	Fire Science
	Fire and Emergency Services
Bachelors Degrees	
Tribal Governance & Administration	Tribal Historic Preservation
Criminal Justice	Public Administration and Public Policy
Criminology	Public Law and Political Theory
Occupational Safety and Health	

Montana Colleges Offering Public Service and Safety Programs

[Montana State University Billings](#)

[Missoula College](#)

[Montana State University Northern](#)

[Montana Technological University](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Helena College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[University of Montana](#)

[City College](#)

[UM Bitterroot](#)

[Highlands College](#)

[Dawson Community College](#)

[Gallatin College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Fort Peck Community College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

CJUS 121 Intro to Criminal Justice

CJUS 200 Principles of Criminal Law

SOCI 211 Introduction to Criminology

NASX 105 Intro to Native American Studies

NASX 205 Native Americans in Contemporary Society

NASX 232 Montana Indians: Cultures, Histories, Current Issues

NASX 235 Oral and Written Traditions of Native Americans

ANTY 101 Anthropology and the Human Experience

CMLD 101 Intro to Community Leadership

PSCI 210 Intro to American Government

PSCI 260 Intro to State and Local Government

M 105 Contemporary Math

PSYX 100 Intro to Psychology
 WRIT 101 College Writing I
 WRIT 201 College Writing II
 COMX 111 Intro to Public Speaking
 COMX 115 Intro to Interpersonal Communication
 SOCI 101 Introduction to Sociology
 100-level History/Social Science
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
National Wildfire Coordination Group Firefighter Type 2	City College Helena College
Emergency Medical Technician (EMT)	Great Falls College City College Helena College
ECP 100 First Aid and CPR	UM Western Montana State University MSU Billings Great Falls College Highlands College Dawson Community College Flathead Valley CC Miles Community College

INDUSTRY RECOGNIZED CREDENTIALS
First Aid/CPR/AED
Emergency Medical Technician (EMT)
YouScience: Criminal Justice 1 & 2 / Criminal Justice Fundamentals / Fire Science / Emergency Medical Technician / Law Enforcement

Fine Arts

Fine Arts Degrees and Majors

Certificates	Associate Degrees
Glass	Fine Arts
Computer Aided Drafting & Design	Native American Art - Chippewa Cree Art
Graphic Design	Graphic Design
Goldsmithing and 3D Jewelry Design	Visual Arts
Cultural Arts	Glass
	Interior Design
Bachelors Degrees	
Art	Native American Art - Chippewa Cree Art
Music Performance	Glass
Commercial Music	Visual Arts
Film & Photography	Graphic Design
Music Technology	Studio Arts
Photography	Film
Theatre Design and Technology	Acting for Film & Theatre
Musical Theatre Performance	Sound Design & Media Technology
Voice Performance	Instrumental Performance
Dance	

Montana Colleges Offering Fine Arts Programs

[Montana State University](#)

[Gallatin College](#)

[Miles Community College](#)

[Flathead Valley Community College](#)

[Salish Kootenai College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[Stone Child College](#)

[Fort Peck Community College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

ARTZ 105 Drawing

ARTZ 106 2-D Foundations

ARTZ 211 Drawing I

ARTZ 221 Painting I

ARTZ 224 Watercolor I

ARTZ 231 Ceramics I

MUSI 101 Enjoyment of Music

MUSI 103 Fundamentals of Musical Creation

MUSI 105 Music Theory I

MUSI 106 Music Theory II

MUSI 203 American Popular Music

MSUI 207 World Music

PHOT 154 Exploring Digital Photography

THTR 101 Intro to Theatre

THTR 120 Intro to Acting I
 GDSN 149 Digital Imaging
 GDSN 231 Graphic Design Applications
 MART 101 Intro to Media Arts
 MRT 112 Intro to Film Editing
 MART 145: Web Design
 MART 214 Digital Publishing and Design
 MART 255 Introduction to Photoshop
 M 105 Contemporary Math
 WRIT 101 College Writing
 PSYX 100 Intro to Psychology
 COMX 115 Intro to Interpersonal Communication
 100-level History/Social Science
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS

Certificate of Applied Science in Graphic Design	FVCC
Associate of Applied Science in Interior Design - with eligibility for National Council for Interior Design Qualifications	Gallatin College

INDUSTRY RECOGNIZED CREDENTIALS

YouScience: 3D Animation / 3D Graphics / 3D Print Technology / Desktop Publishing / Digital Audio / Digital Marketing / Digital Media / Digital Print Design / Fashion Design Merchandising / Interior Design / Fashion Design Studio / Sewing Construction and Textiles

AAFCS: Interior Design Fundamentals / Housing & Furnishings Interior Design / Fashion, Textiles and Apparel / Leadership

US Institute for Theatre Technology (USITT): Backstage Exam / Basic Terms & Safety / Audio / Costume / Lighting and Electrics / Projections / Rigging / Wardrobe

Certiport: Adobe / Adobe Animate / Adobe Certified Associate (ACA) / Adobe Dreamweaver / Adobe Illustrator / Adobe InDesign / Adobe Photoshop

Agriculture

Agriculture Degrees and Majors

Certificates	Associate Degrees
Livestock Technology	Agriculture Operations Technology
Understanding Equine	Rangeland Ecology & Management
Agriculture & Equine Studies	Livestock Production Management
Veterinary Assistant	Animal Science Pre-Veterinary
Veterinary Office Certificate of Technical Studies	Wildlife and Fisheries Biology
	Crop Science
	Equine Management
	Forest Management
	Natural Horsemanship
	Agriculture Technology
	Veterinary Technician
	Business, Farm and Ranch Specialist
Bachelors Degrees	
Wildlife and Fisheries Biology	Natural Horsemanship
Farm and Ranch Management	Agriculture Operations Technology
Wildlife Habitat Ecology & Management	Natural Resources & Rangeland Ecology
Sustainable Crop Production	Sustainable Food & Bioenergy Systems
Rangeland Ecology & Management	Plant Science
Livestock Management & Industry	Environmental Horticulture
Fish & Wildlife Ecology & Management	Equine Science
Crop Science	Agriculture Business
Ag Communications, Leadership & Extension	Agribusiness Management
Parks, Tourism, and Recreation Management	Forestry
Farm and Ranch Management	

Montana Colleges Offering Agriculture Programs

[Montana State University](#)

[Montana State University Northern](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[University of Montana](#)

[University of Montana Western](#)

[Dawson Community College](#)

[Miles Community College](#)

[Chief Dull Knife College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

ANSC 100 Intro to Animal Science

ANSC 202 Livestock Feeding & Nutrition

EQUH Western Equitation

WILD 180 Careers in Wildlife Biology

BGEN 105 Introduction to Business

BIOB 101 Discover Biology

ENSC 105 Environmental Science
 AST 160 Automotive Engine Repair
 DDSN 113 Technical Drafting
 DDSN 114 Introduction to CAD
 WLDG 110 Welding Theory I
 WLDG 111 Welding Theory Practical
 WLDG 145 Fabrication Basics
 M 105 Contemporary Math
 M 111 Technical Math
 M 121 College Algebra
 WRIT 121 Technical Writing
 COMX 102 Interpersonal Skills in the Workplace
 COMX 106 Communicating in the Workplace
 COMX 115 Intro to Interpersonal Communication
 100-level History/Social Science
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Welding and Fabrication Certificate of Technical Studies	Flathead Valley CC
Welding Basics Certificate of Technical Studies	Missoula College
American Welding Society (AWS) Welder Performance Qualification Certificate	Flathead Valley CC Great Falls College
Welding / Welding Technology Certificate of Applied Science	Great Falls College Gallatin College Highlands College
Entrepreneurship Certificate of Applied Science	Helena College Miles Community College Flathead Valley CC
ECP 100 First Aid and CPR	UM Western Montana State University MSU Billings Great Falls College Highlands College Dawson Community College Flathead Valley CC Miles Community College

INDUSTRY RECOGNIZED CREDENTIALS
YouScience: Ag Machinery Technology / Ag Mechanics & Technology / Ag Mechanics Advanced / Machining / Welding Technician / Animal Science / Biology / Ag Science / Small Companion Animal Science / Veterinary Assistant / Biotechnology / Food Production & Process / Food and Nutrition / Aquaculture / Floriculture / Greenhouse Management / Nursery Operations / Plant and Soil Science

ICEV: Plant Science / Floral Design / Turfgrass Science / Food Safety & Science / Culinary Meat Selection & Cookery / Meat Evaluation / Fundamentals of Animal Science / Veterinary Medical Applications / Equine Management & Evaluation / Residential Construction Skills / Principles of Small Engine Tech

NOCTI: Intro to AFNR / Principles of AgriScience

CASE: Animal Health & Veterinary Science / Small Gas Engines / Ag Business Foundations

NAVTA Vet Assistant

First Aid/CPR/AED

OSHA 10 or OSHA 30

Hospitality & Tourism

Hospitality & Tourism Degrees and Majors

Certificates		Associate Degrees	
Culinary Skills		Culinary Arts & Catering	
Culinary Arts		Culinary Arts	
Hospitality Management		Food Service Entrepreneurship & Hospitality	
Customer Relations			
Hospitality			
Bachelors Degrees			
Hospitality Business		Parks, Tourism, and Recreation Management	

Montana Colleges Offering Hospitality & Tourism Programs

[Montana State University](#)

[University of Montana](#)

[Flathead Valley Community College](#)

[Gallatin College](#)

[Missoula College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

CULA 100 Culinary Arts Fundamentals
 CULA 101 Introduction to Knife Skills and Butchery
 CULA 105 Food Service Sanitation
 HTR 107 Introduction to Hospitality Management
 NUTR 221 Basic Human Nutrition
 BGEN 105 Introduction to Business
 BMKT 222 Marketing
 ACTG 201 Principles of Financial Accounting
 WRIT 101 College Writing
 PSYX 100 Intro to Psychology
 COMX 111 Intro to Public Speaking
 M 105 Contemporary Math
 100-level History/Social Science
 100-level Humanities/ Arts
 100-level Natural Science
 100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
Entrepreneurship Certificate of Applied Science	Helena College Miles Community College Flathead Valley CC
Culinary Skills Certificate	Gallatin College
Culinary Arts Certificate of Applied Science	Missoula College
Customer Relations Certificate of Applied Science	Missoula College

RELATED INDUSTRY RECOGNIZED CREDENTIALS
ServSafe: Food Handlers / Food Managers
AAFCS: Culinary Arts / Leadership / Food Science Fundamentals / Hospitality & Tourism
iCEV: Food Safety & Science
OSHA 10 or OSHA 30
First Aid/CPR/AED

General Studies / Transfer Degrees

General Studies/Transfer Degrees and Majors

Certificates	Associate Degrees
General Studies	Associate of Arts
	Associate of Science

Montana Colleges Offering General Studies/Transfer Programs

[Montana State University](#)

[Montana Technological University](#)

[Montana State University Northern](#)

[Great Falls College](#)

[Flathead Valley Community College](#)

[City College](#)

[Aaniiih Nakoda College](#)

[Salish Kootenai College](#)

[Little Big Horn College](#)

[Helena College](#)

[Missoula College](#)

[University of Montana](#)

[University of Montana Western](#)

[Montana State University Billings](#)

[Dawson Community College](#)

[Miles Community College](#)

[Blackfeet Community College](#)

[Chief Dull Knife College](#)

[Fort Peck Community College](#)

[Stone Child College](#)

[Gallatin College](#)

[Highlands College](#)

Dual Enrollment Course Options - Ask a College Advisor for Help Choosing!

100-level Math (See Math Pathways Guidance on page 3)

100-level History/Social Science

100-level Humanities/ Arts

100-level Natural Science

100-level Cultural Diversity

DUAL ENROLLMENT CREDENTIALS	
General Studies Certificate*	Great Falls College Missoula College Miles Community College Helena College Highlands College

*The General Studies Certificate, by MUS Policy, will meet lower division general education requirements on every MUS and Community College campus.

APPENDIX A: AP Examination to Future Ready Credit Equivalency

Updated December 1, 2025

	AP EXAM SCORE & EQUIVALENT FUTURE READY CREDIT		
	Score of 3	Score of 4	Score of 5
2D art	3	3	3
3D Art and Design	3	3	3
African American Studies	3	3	3
Art History	3	3	3
Biology	4	4	4
Calculus AB	4	4	4
Calculus BC	4	4	8
Chemistry	3	3	3
Chinese Language & Culture	6	12	15
Comparative Politics	3	3	3
Computer Science	3	3	3
Computer Science Principles	3	3	3
Drawing	3	3	3
English Language Comp	3	3	3
English Literature & Comp	3	3	3
Environmental Science	3	3	3
European History	3	3	3
French Language	6	9	12
German Language	6	9	12
Human Geography	3	3	3
Italian Language	6	9	12
Japanese	6	9	12
Latin	3	3	3
Macroeconomics	3	3	3
Microeconomics	3	3	3
Physics C: Electricity & Magnetism	3	3	3
Physics C: Mechanics	3	3	3
Physics 1	4	4	4
Physics 2	3	3	3
Precalculus	3	3	3
Psychology	3	3	3
Spanish Language	6	9	12
Statistics	3	3	3
US Government and Politics	3	3	3
US History	6	6	6
World History	3	3	3

This table reports college credits commonly awarded by Montana University System institutions to students with these examination results. Individual institutions may award more or less college credit. The Montana University System is currently working to further align credit awards for AP and IB courses.

APPENDIX B: IB Examination to Future Ready Credit Equivalency

Updated December 1, 2025

	IB EXAM SCORE & EQUIVALENT FUTURE READY CREDIT			
	Score of 4	Score of 5	Score of 6	Score of 7
Biology HL	4	4	4	4
Biology SL	3	3	3	3
Business & Management HL	3	3	3	3
Business & Management SL	0	3	3	3
Chemistry HL	3	3	3	3
Chemistry SL	0	3	3	3
Computer Science HL	3	3	3	3
Dance HL	3	3	3	3
Design Technology HL	3	3	3	3
Economics HL	6	6	6	6
Economics SL	0	0	0	0
Environmental Systems & Societies SL	3	3	3	3
Extended Essay EE	3 credits for either an A or B			
Film HL	2	2	2	2
Further Mathematics HL	3	3	3	3
Geography HL	3	3	3	3
Geography SL	0	0	0	0
Global Politics HL	3	3	3	3
Global Politics SL	3	3	3	3
History: Africa and Middle East HL	3	3	3	3
History: Americas HL	3	3	3	3
History: Asia & Oceania HL	3	3	3	3
History: Europe HL	3	3	3	3
History: Islamic HL	3	3	3	3
History: World HL	3	3	3	3
Language A: English Language & Literature HL	6	6	6	6
Language A: English Literature HL	6	6	6	6
Language A: French Language & Literature HL	12	12	12	12
Language A: German Language & Literature HL	12	12	12	12
Language A: Japanese Language & Literature HL	12	12	12	12
Language A: Spanish Language & Literature HL	12	12	12	12
Language B: French HL	9	9	12	12
Language B: French SL	3	3	6	6
Language B: German HL	9	9	12	12
Language B: German SL	3	3	6	6
Language B: Japanese HL	9	9	12	12

Language B: Japanese SL	3	3	6	6
Language B: Latin HL	9	9	12	12
Language B: Latin SL	3	3	6	6
Language B: Spanish HL	9	9	12	12
Language B: Spanish SL	3	3	6	6
Mathematical Studies SL	0	3	3	3
Mathematics SL	4	4	4	4
Mathematics HL	4	4	4	4
Mathematics: Analysis & Approaches SL	0	0	0	0
Mathematics: Analysis & Approaches HL	3	3	3	3
Mathematics: Applications & Interpretation SL	0	0	0	0
Mathematics: Applications & Interpretation HL	6	6	6	6
Music HL	3	3	3	3
Music SL	0	0	0	0
Philosophy HL	6	6	6	6
Philosophy SL	3	3	3	3
Physics HL	8	8	8	8
Psychology HL	3	3	3	3
Psychology SL	0	0	0	0
Social & Cultural Anthropology HL	3	3	3	3
Sports, Exercise & Health Science SL	3	3	3	3
Theatre Arts HL	3	3	3	3
Theory of Knowledge	0	0	0	0
Visual Arts HL	3	3	3	3

This table reports college credits commonly awarded by Montana University System institutions to students with these examination results. Individual institutions may award more or less college credit. The Montana University System is currently working to further align credit awards for AP and IB courses.