

# Warren Tech Central

## Concurrent Enrollment Courses

Executive Internship		
<p><b>High School Instructor: Jennifer Herbaugh</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plan of Study:</b></p> <p>These courses are part of the Business Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/business">http://www.rccc.edu/business</a></p> <p><b>Earn a RRCC Certificate:</b></p> <p>Successful completion of BUS 118 and MAR 106 earns a Workplace Readiness Certificate. This certificate blends essential information about soft skills required to be an effective employee while also providing you with insight about how to move through the culture of the business. Learning about the workplace and being prepared to enter the workplace can be worlds apart. This focused certificate gives students a blend of soft skills, theory, and practical application (with practice) to support entry or re-entry into the workforce.</p>		
Course	Description	Credits
<p><b>BUS 118</b></p> <p><i>Fall/Spring Enrollment</i></p>	<p><b>Business Survival Skills</b></p> <p>Provides an overall perspective for the student to understand the current domestic and world business environment and how the student as an employee fits into that environment. Roles and responsibilities of the business and the employees will be studied especially as they relate to alternatives for increasing positive impact in the workplace. The focus will be on practical skills application.</p> <p><b>Prerequisites: N/A</b></p> <p><b>Plan of Study:</b> These courses are part of the Business Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/business">http://www.rccc.edu/business</a></p>	<p>3</p>
<p><b>MAR 106</b></p>	<p><b>Marketing Your Image</b></p>	<p>3</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<p><i>Fall/Spring Enrollment</i></p>	<p>Teaches students how to market themselves to prospective employers, clients, professional groups, and audiences of all types. Major emphasis will be placed on skills used to gain employment (resumes, interviewing, and professional appearance) and on skills used to achieve continued personal success (professional behavior and attitude). The course will include at least one simulated interview.</p> <p><b>Prerequisites: N/A</b></p> <p><b>Plan of Study:</b> These courses are part of the Business Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="http://www.rrcc.edu/business">http://www.rrcc.edu/business</a></p>	
<p><b>BUS 121</b> <i>Fall/Spring Enrollment</i></p>	<p><b>Basic Workplace Skills</b></p> <p>Examines techniques for communicating effectively on the job including both verbal and written communication; identifies the roles of individuals and companies and necessary critical thinking and problem solving skills; examines relationship skills, effective self-presentation, and workplace issues such as sexual harassment, stress, and substance abuse.</p> <p><b>Prerequisites: N/A</b></p> <p><b>Plan of Study:</b> These courses are part of the Business Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="http://www.rrcc.edu/business">http://www.rrcc.edu/business</a></p>	<p>1</p>

**Automotive Collision Repair**

**High School Instructor: James Porter**  
**Fall and Spring Enrollment**  
**Prerequisite: N/A**

**Plan of Study:**

These courses are part of the Automotive Collision Technology Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges.

<https://www.rrcc.edu/warrentech/auto-service-collision-customization/auto-collision-technology-degrees-certificates>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

(In cooperation with and taught at Warren Tech) This is a Nationally Certified Auto Collision Repair program that uses the I-CAR live curriculum with the primary purpose of preparing you for careers in the auto collision industry. You can also achieve the necessary credits to obtain an associate degree. A minimum of 45 ACT credits and 15 general education credits are required for the AAS degree. Some courses may transfer to a bachelor's degree in automotive management. Students must comply with personal and environmental safety practices in accordance with local, state, and federal safety and environmental regulations.

**Earn RRCC Certificates:**

Coursework can be applied towards an Associate of Applied Science Degree (AAS) or the following certificates: *Auto Collision Repair, Beginning Auto Collision Non-Structure Repair and Refinish, Intermediate Auto Collision Non-Structure Repair and Refinish, Advanced Auto Collision Structure Repair and Refinish, Industry Prepared Structure.*

Course	Description	Credits
ACT 101	Introduction to Automotive Collision Tech.	4
ACT 110	Safety in Collision Repair	2
ACT 111	Metal Welding and Cutting	3
ACT 121	Non-Structural Repair Preparation	3
ACT 122	Panel Repair & Replacement	3
ACT 123	Metal Finishing & Body Filling	3
ACT 124	Exterior Panel Replacement (Weld-on)	3
ACT 131	Structural Damage Diagnosis	3
ACT 132	Structural Damage Repair	3
ACT 141	Refinishing Safety	1
ACT 142	Surface Preparation I	2
ACT 143	Spray Equipment Operation	2
ACT 144	Refinishing I	2
ACT 151	Plastics & Adhesives I	1
ACT 170	Automotive Collision Technology Lab Exp. I	3
ACT 171	Automotive Collision Technology Lab Exp. II	3
ACT 172	Automotive Collision Technology Lab Exp. III	3
ACT 180	Auto Collision Repair Internship Level I	2
ACT 205	Estimating & Shop Management	3
ACT 211	Metal Welding & Cutting II	2
ACT 220	Structural Repair II	4

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>ACT 226</b>	<b>Production</b>	4
<b>ACT 231</b>	<b>Advanced Structural Damage Diagnosis &amp; Repair</b>	3
<b>ACT 232</b>	<b>Fixed Glass Repair</b>	2
<b>ACT 241</b>	<b>Paint Defects</b>	3
<b>ACT 242</b>	<b>Surface Preparation II</b>	2
<b>ACT 243</b>	<b>Refinishing II</b>	2
<b>ACT 244</b>	<b>Final Detail</b>	2
<p><b>Automotive Customization</b></p> <p><b>High School Instructor: James Porter</b> <b>Fall and Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of Study:</b> These courses are part of the Auto Customization Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/warrentech/auto-service-collision-customization/automotive-customization-degree-certificates">https://www.rrcc.edu/warrentech/auto-service-collision-customization/automotive-customization-degree-certificates</a> (In cooperation with and taught at Warren Tech) This two-year program is designed to give students basic and advanced skill training needed for successful entry into the automotive customizing and refinishing industry through theory and lab experiences.</p> <p><b>Earn RRCC Certificates:</b> Coursework can be applied towards an Associate of Applied Science Degree (AAS) or the following certificates: <i>Automotive Customization Industry Introduction, Introduction to High-Performance Vehicles, Introduction to Custom Painting, Auto Customization and Performance, and Advanced Auto Customization and Performance (3<sup>rd</sup> year option).</i></p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>ACT 101</b>	<b>Introduction to Automotive Collision Tech.</b>	4
<b>ACT 110</b>	<b>Safety in Collision Repair</b>	2
<b>ACT 111</b>	<b>Metal Welding/Cutting</b>	3
<b>ACT 122</b>	<b>Panel Repair &amp; Replacement</b>	3
<b>ACT 123</b>	<b>Metal Finishing/Body Filling</b>	3
<b>ACT 141</b>	<b>Refinishing Safety</b>	1
<b>ACT 142</b>	<b>Surface Prep I</b>	2
<b>ACT 143</b>	<b>Spray Equipment Operation</b>	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>ACT 144</b>	<b>Refinishing I</b>	<b>2</b>
<b>ACT 160</b>	<b>Custom Painting</b>	<b>3</b>
<b>ACT 161</b>	<b>Auto Graphics &amp; Design</b>	<b>3</b>
<b>ACT 162</b>	<b>Auto Air Brushing and Murals</b>	<b>3</b>
<b>ACT 163</b>	<b>Auto Special Effects &amp; Refinishing</b>	<b>3</b>
<b>ACT 165</b>	<b>Auto Body Customizing I</b>	<b>3</b>
<b>ACT 166</b>	<b>Auto Body Customizing II</b>	<b>3</b>
<b>ACT 167</b>	<b>Auto Customizing II</b>	<b>3</b>
<b>ACT 170</b>	<b>Automotive Collision Technology Lab. Exp. I</b>	<b>3</b>
<b>ACT 171</b>	<b>Auto Collision Technical Lab Exp. II</b>	<b>1</b>
<b>ACT 172</b>	<b>Auto Collision Technical Lab Exp. III</b>	<b>3</b>
<b>ACT 205</b>	<b>Estimating and Shop Management</b>	<b>3</b>
<b>ACT 211</b>	<b>Metal Welding/Cutting II</b>	<b>2</b>
<b>ACT 243</b>	<b>Refinishing II</b>	<b>2</b>
<b>AUT 109</b>	<b>High Performance Suspension &amp; Chassis Design</b>	<b>2</b>
<b>AUT 110</b>	<b>High Performance Suspension &amp; Chassis Set-up</b>	<b>4</b>
<b>AUT 116</b>	<b>High Performance Brake Systems</b>	<b>2</b>
<b>AUT 125</b>	<b>Engines I</b>	<b>4</b>
<b>AUT 136</b>	<b>Intro to Racecar Body Fab.</b>	<b>2</b>
<b>AUT 137</b>	<b>Intro to Racecar Chassis Fab.</b>	<b>2</b>
<b>ASE 102</b>	<b>Introduction to the Automotive Shop</b>	<b>2</b>
<b>ASE 120</b>	<b>Basic Auto Electricity</b>	<b>2</b>
<b>ASE 130</b>	<b>General Engine Diagnosis</b>	<b>2</b>

### **Automotive Technology**

**High School Instructor: Tom Millard & Steve Erickson**  
**Fall and Spring Enrollment**  
**Prerequisites: N/A**

#### **Plans of Study:**

These courses are part of the Auto Technology Applied Science Degree at Red Rocks Community College and may transfer to other colleges.

<https://www.rrcc.edu/warrentech/auto-service-collision-customization/automotive-service-technology-degrees-certificates>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

(In cooperation with and taught at Warren Tech)

This two-year program is designed to give students basic and advanced skill training needed for successful entry into the automotive customizing and refinishing industry through theory and lab experiences.

**Earn RRCC Certificates:**

Coursework can be applied towards an Associate of Applied Science Degree (AAS) or the following certificates: *Automotive Customization Industry Introduction, Introduction to High-Performance Vehicles, Introduction to Custom Painting, Auto Customization and Performance, and Advanced Auto Customization and Performance (3<sup>rd</sup> year option).*

Course	Description	Credits
ASE 101	Auto Shop Orientation	2
ASE 102	Intro to Auto Shop	2
ASE 111	Automotive Brake Service II	2
ASE 210	Automotive Power and ABS Brake Systems	2
ASE 140	Suspension and Steering I	2
ASE 141	Suspension and Steering II	2
ASE 240	Suspension and Steering III	2
ASE 264	Introduction to Automotive Heating & AC	1
ASE 265	Automotive Heating and Air Conditioning	4
ASE 150	Manual Drive Train and Axle Maintenance	2
ASE 151	Automotive Manual Transmission/Transaxles & Clutches	2
ASE 152	Manual Transmission, Transaxles and Clutches II	2
ASE 153	Automotive Drive Axle Overhaul	1
ASE 154	Manual Trans/Axle Diagnosis and Repair	1
ASE 250	Auto Trans/Transaxle Service	1
ASE 251	Auto Trans/Transaxle Diagnosis	3
ASE 252	Advanced Automatic Trans/Transaxles	2
ASE 130	General Engine Diagnosis	2
ASE 134	Automotive Fuel and Emissions Systems I	2
ASE 231	Computers & Ignition Systems	2
ASE 233	Fuel Injection/ Exhaust	4
ASE 235	Drivability and Diagnosis	2
ASE 110	Brakes I	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>ASE 120</b>	<b>Basic Automotive Electricity</b>	2
<b>ASE 122</b>	<b>Automotive Electricity Safety Systems</b>	1
<b>ASE 123</b>	<b>Starting and Charging Systems</b>	2
<b>ASE 221</b>	<b>Automotive Body Electrical</b>	4
<b>ASE 161</b>	<b>Engine Repair and Rebuild</b>	3
<b>ASE 162</b>	<b>Automotive Engine Service</b>	2
<b>ASE 201</b>	<b>Automotive Parts Management I</b>	1
<b>ASE 203</b>	<b>Automotive Parts Management II</b>	2
<b>ASE 171</b>	<b>Lab Experience II</b>	2
<p><b>Culinary Arts High School</b></p> <p><b>Instructor: TBD</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of Study:</b> These courses are part of the Culinary Arts Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/culinary/degree-and-certificate">www.rccc.edu/culinary/degree-and-certificate</a></p> <p><b>Earn a RRCC Certificate:</b> Successful completion of all the three courses will lead to an <i>Introduction to Culinary Arts Certificate</i>.</p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>CUA 101</b>  <i>Spring Enrollment</i>	<b>Food Safety and Sanitation</b>  Covers the basic rules of sanitation, food-borne illnesses, safe food temperatures, safe food-handling techniques, the HACCP Program, pest control procedures, and local/state health rules and regulations for food service operations. At the completion of the course, students will take a nationally recognized test from the Education Foundation of the National Restaurant Association. If passed with a score of 75% or more, the student will receive a Certificate of Completion from the Education Foundation.	2
<b>CUA 121</b>	<b>Introduction to Food Production Principles and Practices</b>	1

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<i>Spring Enrollment</i>	Provides students with the fundamental principles of commercial kitchen operations, including safety and sanitation applications, use and care of equipment, tools, utensils and knives, recipe use and conversion, organization of work, and basic cooking methods.	
<b>CUA 278</b>	<b>Seminar</b>	2
<i>Spring Enrollment</i>	Provides students with an experiential learning opportunity.	
<p><b>Cosmetology: Hairstyling</b></p> <p><b>High School Instructor: Nicole Means</b> <b>Fall and Spring Enrollment</b> <b>Prerequisite: N/A</b></p> <p><b>Plans of Study:</b></p> <p>These courses are part of the Cosmetology Associate of Applied Science Degree at Red Rocks Community College. <a href="https://www.rrcc.edu/warrentech/cosmetology">https://www.rrcc.edu/warrentech/cosmetology</a></p> <p>(In cooperation with and taught at Warren Tech)</p> <p>The Cosmetology Program is designed to develop the skills necessary for entry-level employment in areas of hairstylist, esthetics (esthetician-skin care), and nail technology (manicurist). Coursework can be applied towards an Associate of Applied Science Degree (AAS) or certificate.</p> <p><b>Earn a RRCC Certificate:</b></p> <p>Successful completion of all courses earns a Hairstyling Certificate. The Hairstyling Certificate is designed to develop the skills necessary for entry-level employment as a hairstylist.</p>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
<b>COS 103</b>	<b>Shampoo/Rinses/Conditioners I</b>	1
<b>COS 130</b>	<b>Intro to Hair Styling</b>	2
<b>COS 120</b>	<b>Intro to Haircutting</b>	2
<b>COS 140</b>	<b>Intro to Chemical Texture</b>	1
<b>COS 110</b>	<b>Intro to Hair Coloring</b>	2
<b>COS 160</b>	<b>Intro to Disinfection, Sanitation and Safety</b>	2
<b>COS 250</b>	<b>Management, Ethics, Interpersonal Skills &amp; Sales</b>	1
<b>COS 150</b>	<b>Laws, Rules and Regulations</b>	1
<b>COS 131</b>	<b>Intermediate I: Hair Styling</b>	2
<b>COS 121</b>	<b>Intermediate I: Hair Cutting</b>	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.



<b>COS 141</b>	<b>Intermediate I: Chemical Texture</b>	<b>1</b>
<b>COS 203</b>	<b>Shampoo/Rinses/Conditioners II</b>	<b>1</b>
<b>COS 111</b>	<b>Intermediate I: Hair Coloring</b>	<b>2</b>
<b>COS 161</b>	<b>Intermediate I: Disinfection, Sanitation &amp; Safety</b>	<b>1</b>
<b>COS 230</b>	<b>Intermediate II: Hair Styling</b>	<b>2</b>
<b>COS 220</b>	<b>Intermediate II: Hair Cutting</b>	<b>2</b>
<b>COS 240</b>	<b>Intermediate II: Chemical Texture</b>	<b>1</b>
<b>COS 210</b>	<b>Intermediate II: Hair Coloring</b>	<b>2</b>
<b>COS 260</b>	<b>Intermediate II: Disinfection, Sanitation &amp; Safety</b>	<b>2</b>
<b>COS 231</b>	<b>Advanced Hair Styling</b>	<b>1</b>
<b>COS 211</b>	<b>Advanced Hair Coloring</b>	<b>2</b>
<b>COS 241</b>	<b>Advanced Chemical Texture</b>	<b>1</b>
<b>COS 221</b>	<b>Advanced Hair Cutting</b>	<b>2</b>
<b>COS 261</b>	<b>Advanced Disinfection, Sanitation and Safety</b>	<b>1</b>
<b>COS 262</b>	<b>Advanced II: Disinfection, Sanitation and Safety</b>	<b>3</b>

**Cosmetology: Esthetics**

**High School Instructor: Vicki Flower**  
**Spring Enrollment**  
**Prerequisite: N/A**

**Plans of Study:**

These courses are part of the Cosmetology Associate of Applied Science Degree at Red Rocks Community College.

<https://www.rccc.edu/warrentech/cosmetology>

(In cooperation with and taught at Warren Tech)

The Cosmetology Program is designed to develop the skills necessary for entry-level employment in areas of hairstylist, esthetics (esthetician-skin care), and nail technology (manicurist). Coursework can be applied towards an Associate of Applied Science Degree (AAS) or certificate.

**Earn a RRCC Certificate:**

Successful completion of all courses earns an Esthetician Certificate. The Esthetician Certificate (Esthetics-skin care) is designed to develop the skills necessary for entry-level employment as an esthetician.

<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>EST 110</b>	<b>Introduction to Facials and Skin Care</b>	<b>3</b>
<b>EST 111</b>	<b>Intermediate Facials and Skin Care</b>	<b>2</b>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>EST 160</b>	<b>Introduction to Disinfection, Sanitation &amp; Safety</b>	2
<b>EST 161</b>	<b>Intermediate Disinfection, Sanitation and Safety</b>	2
<b>EST 210</b>	<b>Advanced Skin Care and Massage</b>	2
<b>EST 211</b>	<b>Facial Make-Up</b>	1
<b>EST 212</b>	<b>Hair Removal</b>	3
<b>EST 260</b>	<b>Advanced Disinfecting, Sanitation and Safety</b>	2
<b>COS 150</b>	<b>Laws, Rules and Regulations</b>	1
<b>COS 250</b>	<b>Management, Ethics, Interpersonal Skills &amp; Salesmanship</b>	1

### **Cosmetology: Nail Technology**

**High School Instructor: Nicole Means**  
**Spring Enrollment**  
**Prerequisite: N/A**

#### **Plans of Study:**

These courses are part of the Cosmetology Associate of Applied Science Degree at Red Rocks Community College.

<https://www.rrcc.edu/warrentech/cosmetology>

(In cooperation with and taught at Warren Tech)

The Cosmetology Program is designed to develop the skills necessary for entry-level employment in areas of hairstylist, esthetics (esthetician-skin care), and nail technology (manicurist).

#### **Earn a RRCC Certificate:**

Successful completion of all courses earns a Manicurist Certificate:

This Manicurist Certificate is designed to develop the skills necessary for entry-level employment as a manicurist.

<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>COS 150</b>	<b>Laws, Rules and Regulations</b>	1
<b>COS 160</b>	<b>Intro to Disinfection, Sanitation and Safety</b>	2
<b>COS 161</b>	<b>Intermediate I: Disinfection, Sanitation &amp; Safety</b>	1
<b>COS 250</b>	<b>Management, Ethics, Interpersonal Skills &amp; Salesmanship</b>	1
<b>COS 260</b>	<b>Intermediate II: Disinfection, Sanitation &amp; Safety</b>	2
<b>NAT 110</b>	<b>Introduction to Manicures and Pedicures</b>	3
<b>NAT 111</b>	<b>Intermediate Manicures and Pedicures</b>	2
<b>NAT 210</b>	<b>Advanced Manicures and Pedicures</b>	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>COS 261</b>	<b>Advanced Disinfection, Sanitation/Safety</b>	1
<b>NAT 211</b>	<b>Application of Artificial Nails</b>	5
<p><b>Emergency Medical Services</b></p> <p>This program prepares you to sit for the National Registry practical and written certification exams, which are required for Colorado state certification. Once certified, the graduate is eligible for entry-level employment in the emergency medical services system.</p> <p>The student will be awarded an RRCC Emergency Medical Technician certificate upon successful completion in all EMS courses with a grade of C or better. *Please note: The Emergency Medical Technician certificate does NOT replace the National Registry certification.</p> <p><b>High School Instructor: Tim Vaninger</b> <b>Spring Enrollment</b></p> <p><b>Earn a RRCC Certificate:</b></p> <p>Successful completion of all courses will earn an Emergency Medical Technician <i>Certificate</i>. <i>The certificate prepares students to sit for the National Registry practical and written certification. Once certified, the graduate is eligible for entry-level employment in the emergency medical services system.</i></p> <p>All EMS courses require the following Prerequisite:</p> <p><b>Prerequisite (one of the following scores or exemptions):</b>  <b>ACT Scores:</b> English 18  <b>SAT Scores:</b> Verbal 470  <b>Accuplacer Scores:</b> NGWR 246  <b>High School Class Exemption:</b> 3.0 un-weighted high school GPA and passed H.S. English 11 or 12 with a B or better in both semesters.</p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>EMS 121</b>  <i>Spring Enrollment</i>	<b>EMT Fundamentals</b>  Introduces the Emergency Medical Technician (EMT) student to prehospital emergency care. The topics included in this course are Emergency Medical Services (EMS) systems, well-being of the EMT, communications, documentation, anatomy, airway management, and patient assessment.  <b>Plan of Study:</b> This course is part of the Emergency Medical Services Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges.  <a href="https://www.rrcc.edu/emergency-medical-services/degree-and-certificates">https://www.rrcc.edu/emergency-medical-services/degree-and-certificates</a>	3

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<p><b>EMS 122</b></p> <p><i>Spring Enrollment</i></p>	<p><b>EMT Medical Emergencies</b></p> <p>Introduces the Emergency Medical Technician (EMT) student with the knowledge and skills to effectively provide emergency care and transportation to a patient experiencing a medical emergency. This course focuses on the integration of the physical exam, medical history, and pathophysiology when assessing and treating the medical patient.</p> <p><b>Plan of Study:</b> This course is part of the Emergency Medical Services Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="https://www.rccc.edu/emergency-medical-services/degree-and-certificates">https://www.rccc.edu/emergency-medical-services/degree-and-certificates</a></p>	<p>4</p>
<p><b>EMS 123</b></p> <p><i>Spring Enrollment</i></p>	<p><b>EMT Trauma Emergencies</b></p> <p>Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to provide appropriate emergency care and transportation of a patient who has suffered a traumatic injury. The concepts of kinematics and the biomechanics of trauma, along with pathophysiology and injury patterns will provide the student with the ability to assess and manage the trauma patient.</p> <p><b>Plan of Study:</b> This course is part of the Emergency Medical Services Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="https://www.rccc.edu/emergency-medical-services/degree-and-certificates">https://www.rccc.edu/emergency-medical-services/degree-and-certificates</a></p>	<p>2</p>
<p><b>EMS 124</b></p> <p><i>Spring Enrollment</i></p>	<p><b>EMT Special Considerations</b></p> <p>Provides the Emergency Medical Technician (EMT) student with the knowledge and skills required to modify the assessment, treatment, and transportation of special patient populations and patients in special circumstances. This course also provides an overview of incident command, mass casualty incidents, vehicle extrication, air medical support, hazardous materials, and terrorism.</p> <p><b>Plan of Study:</b> This course is part of the Emergency Medical Services Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="https://www.rccc.edu/emergency-medical-services/degree-and-certificates">https://www.rccc.edu/emergency-medical-services/degree-and-certificates</a></p>	<p>2</p>
<p><b>EMS 170</b></p>	<p><b>Emergency Medical Technician-Basic Clinical</b></p>	<p>1</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<p><i>Spring Enrollment</i></p>	<p>Provides the EMT student with the clinical experience required.</p> <p><b>Plan of Study:</b> This course is part of the Emergency Medical Services Associate of Applied Science Degree/Certificate at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="https://www.rccc.edu/emergency-medical-services/degree-and-certificates">https://www.rccc.edu/emergency-medical-services/degree-and-certificates</a></p>	
<p><b>Fire Science/First Responder</b></p> <p><b>High School Instructor: Matt Beckett</b> <b>Spring Enrollment</b></p> <p>Coursework completed with a grade of C or better may be applied towards the Fire Science Associate of Applied Science Degree or certificate. This program of study is designed for students new to or preparing for the fire service. Students must earn a C or higher in all fire science and general education courses to graduate.</p> <p><b>Plans of Study:</b> These courses are part of the Fire Science Technology Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges</p> <p><a href="https://www.rccc.edu/fire-science">https://www.rccc.edu/fire-science</a></p>		
Course	Description	Credits
<p><b>FST 102</b></p> <p><i>Spring Enrollment</i></p>	<p><b>Principles of Emergency Services</b></p> <p>Introduces the fire service organization and operation from past to present operations. It includes operation and organization of federal, state, local and private protection forces. The course emphasizes extinguishing methods and equipment, special extinguishing agents, and special hazard considerations. It serves as a prerequisite for students with no previous fire suppression training or experience.</p> <p><b>Prerequisites (one of the following scores or exemptions):</b>  <b>ACT:</b> English 18  <b>SAT:</b> Verbal 470            Accuplacer Next Gen: Writing 246  <b>High School Class Exemption:</b> 3.0 un-weighted high school GPA and passed H.S. English 11 or 12 with a B or better in past 18 months.</p>	<p>3</p>
<p><b>FST 160</b></p>	<p><b>Candidate Physical Abilities Test Prep Course</b></p>	<p>3</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<p><i>Spring Enrollment</i></p>	<p>Prepares students for the job of a firefighter as well as the testing requirements to test for CPAT. The tools for all classes will be fire service tools, such as, sledge hammer, hose, nozzle, ladders, pike pole, power saws, and rescue dummy. The course will include the basic fire skills of rescue, hose lay, equipment movement, ladder raise and extend, forcible entry, search, and ceiling breach. This course also includes aerobic and strength training to assist student with passing CPAT.</p> <p><b>Prerequisite: N/A</b></p>	
<p><b>EMS 115</b></p> <p><i>Spring Enrollment</i></p>	<p><b>First Responder</b></p> <p>Provides you with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives.</p> <p><b>Prerequisite: N/A</b></p>	<p>3</p>
<p><b>Precision Machining</b></p> <p><b>High School Instructor: Joe Martin</b> <b>Fall and Spring Enrollment</b> <b>Prerequisite: N/A</b></p> <p><b>Plans of Study:</b></p> <p>These courses are part of the Precision Machining Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/precision-machining">http://www.rccc.edu/precision-machining</a></p> <p>(In cooperation with and taught at Warren Tech)</p> <p>This program is designed to develop the skills necessary for entry-level employment in the machining industry. Entry-level skills in fabrication and plastic parts that meet industrial standards will be taught.</p> <p><b>Earn RRCC Certificates:</b></p> <p>Coursework can be applied towards an Associate of Applied Science Degree (AAS) or the following certificates: <i>Machine Shop Fundamentals, CNC Lathe Machine Operator, Manual Machine Operator or CNC Mill Operator.</i></p>		
<p><b>Course</b></p>	<p><b>Description</b></p>	<p><b>Credits</b></p>
<p><b>MAC 110</b></p>	<p><b>Intro to Engine Lathe</b></p>	<p>3</p>
<p><b>MAC 111</b></p>	<p><b>Intermediate Engine Lathe</b></p>	<p>3</p>
<p><b>MAC 120</b></p>	<p><b>Introduction to Milling Machine</b></p>	<p>3</p>
<p><b>MAC 121</b></p>	<p><b>Intermediate Milling Machine</b></p>	<p>3</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>MAC 201</b>	<b>Intro to CNC Turning Operations</b>	<b>3</b>
<b>MAC 205</b>	<b>Intro to CNC Milling Operations</b>	<b>3</b>
<b>MAC 250</b>	<b>Advanced Inspection Techniques</b>	<b>3</b>
<b>MAC 253</b>	<b>Wire 1</b>	<b>3</b>
<b>MAC 257</b>	<b>Wire 2</b>	<b>3</b>
<b>MAC 210</b>	<b>Swiss 1</b>	<b>3</b>
<b>MAC 211</b>	<b>Swiss 2</b>	<b>3</b>
<b>MAC 261</b>	<b>5 Axis 1</b>	<b>3</b>
<b>MAC 260</b>	<b>5 Axis 2</b>	<b>3</b>
<b>MAC 266</b>	<b>QC II</b>	<b>3</b>
<b>MAC 267</b>	<b>Metrology</b>	<b>3</b>
<b>MAC 202</b>	<b>CNC Turning Operations II</b>	<b>3</b>
<b>MAC 206</b>	<b>CNC Milling Operations II</b>	<b>3</b>
<b>MAC 245</b>	<b>CAD/CAM 3D</b>	<b>3</b>
<b>EGT 205</b>	<b>Geometric Dimensioning and Tolerance</b>	<b>3</b>
<p><b>TV/Video Production</b></p> <p><b>High School Instructor: Jon White</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of Study:</b></p> <p>These courses are part of the Multimedia Graphic Design Associate of Applied Science Degrees at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/multimedia">https://www.rrcc.edu/multimedia</a></p> <p>Coursework completed with a grade of C or better may be applied towards a variety of Multimedia Graphic Design Associate of Applied Science (AAS) degrees and certificates, such as the Video Production AAS Degree.</p> <p><b>Earn a RRCC Certificate:</b></p> <p>Successful completion of MGD 104 and MGD 204 earns a Camera Operator Certificate: You will learn the basics of camera operation as it applies to video production for success as an independent business or to become an important asset to someone else's business.</p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>MGD 101</b>	<b>Introduction to Computer Graphics</b>  Introduces computer systems developed for graphics. You will learn hardware and software components used in multimedia production and explore basic computer operations, file management, scanning techniques, archiving capabilities, and utilization of the multimedia department server and Internet connection.	3
<b>MGD 104</b>	<b>Videography I</b>  Introduces to the principles and techniques of video production, including camera operation, basic script writing, lighting, basic sound, and basic digital editing. Examination of pre-production, production, and post-production processes, as well as aesthetics, are included.	3
<b>MGD 164</b>	<b>Digital Video Editing: Apple Final Cut Studio</b>  Introduces digital, non-linear video editing. You will capture, compress, edit, and manipulate video images using a personal computer. Assembly techniques including media management, editing tools, titles, and motion control, transitions and filters, and special effects are explored. This software is available only for the Mac Platform.	3
<b>MGD 165</b>	<b>Adobe After Effects I</b>  Provides fundamental techniques for creating digital motion graphics, 2D animation, animated logos, video graphics, etc. This class covers relevant tools and techniques as well as industry standards, delivery methods, and output formats.	3
<b>MGD 204</b>	<b>Videography II</b>  Offers advanced study of digital video imaging concepts using digital cameras. Heavy emphasis is placed upon media aesthetics and the creative integration of sight, sound, and motion in student projects.	3

### **Graphic Design**

**High School Instructor: Peter Cunis & Scot Odendahl**  
**Spring Enrollment**  
**Prerequisites: N/A**

#### **Plans of Study:**

These courses are part of the Multimedia Graphic Design Associate of Applied Science Degrees at Red Rocks Community College and may transfer to other colleges.

<https://www.rrcc.edu/multimedia>



Coursework completed with a grade of C or better may be applied towards a variety of Multimedia Graphic Design Associate of Applied Science (AAS) degrees and certificates.

**Earn a RRCC Certificate:**

Successful completion of MGD 112 and MGD 114 earns an Introduction to Multimedia Certificate: The Introduction to Graphic Design certificate introduces the basic skills for printing, graphic design, and prepress production. This is the starting coursework towards learning graphic design and can be applied to the larger graphic design/print production certificate and degree.

<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>MGD 101</b>	<b>Intro to Graphic Design</b>  Introduces computer systems developed for graphics. You will learn hardware and software components used in multimedia production and explore basic computer operations, file management, scanning techniques, archiving capabilities, and utilization of the multimedia department server and Internet connection.	3
<b>MGD 111</b>	<b>Adobe Photoshop I</b>  Concentrates on the high-end capabilities of Adobe's industry standard photo-editing software as an illustration, design, and photo retouching tool. You will explore a wide range of selection and manipulation techniques applied to photos, graphics, and videos. Design concepts also are explored in this class.  <i>Recommended Prerequisite: MGD 101 or MGD 102 and basic computer skills.</i>	3
<b>MGD 112</b>	<b>Adobe Illustrator I</b>  Acquaints you with the industry standard vector drawing program. You will learn to use vector-based tools to create digital artwork used in Web design, print media, and digital screen design. Design concepts also are explored in this class.  <i>Recommended Prerequisites: MGD 101 or MGD 102 and basic computer skills.</i>	3
<b>MGD 114</b>	<b>Adobe InDesign</b>	3

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

	<p>Introduces you to InDesign, an industry standard page layout program which integrates seamlessly with other Adobe Creative Suite programs. InDesign delivers creative freedom and productivity to page layout and production. Class discussions and independent projects supplement hands-on classroom work.</p>	
<p><b>Welding</b></p> <p><b>High School Instructor: Tom Kienbaum</b> <b>Fall and Spring Enrollment</b> <b>Prerequisite: N/A</b></p> <p><b>Plans of Study:</b> These courses are part of the Welding Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/warrentech/welding">https://www.rrcc.edu/warrentech/welding</a></p> <p>(In cooperation with and taught at Warren Tech) This program is designed to develop the skills necessary for entry-level employment in the welding industry. Entry-level welder certification from the American Welding Society may be earned upon completion of the program.</p> <p><b>Earn a RRCC Certificate:</b> Coursework will be applied towards an Associate of Applied (AAS) degree or certificates: <i>Ox-Fuel Welding and Cutting, Shield Metal Arc Welding, Gas Metal Arc Welding, Flux Core Arc Welding, or Gas Tungsten Arc Welding</i>).</p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>WEL 100</b>	<p><b>Safety for Welders</b></p> <p>Covers the hazards of welding on health and safety, locating essential safety information from a code or other standard, and identifying and applying shop safety procedures.</p>	1
<b>WEL 101</b>	<p><b>Allied Cutting Process</b></p> <p>Covers setting up equipment and performing cutting and gouging operations utilizing the oxyacetylene, air carbon arc, and plasma arc cutting processes. This course will also provide an introduction to blueprint reading.</p>	4

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>WEL 102</b>	<b>Oxyacetylene Joining Processes</b>  Introduces safety inspections, minor repairs, operating parameters, oxyacetylene welding equipment, and oxyacetylene welding, brazing, and soldering operations. Blueprint reading skills will be practiced in this course.	4
<b>WEL 103</b>	<b>Basic Shielded Metal Arc Welding</b>  Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E-6010 and E-7018 electrodes. Layout procedures and practices will also be introduced.	4
<b>WEL 110</b>	<b>Advanced Shielded Metal Arc Welding</b>  Covers safety inspections, minor repairs, operating parameters, operation of SMAW equipment, and SMAW operations on groove and fillet welds utilizing E-6010 and E-7018 electrodes. Layout procedures will be practiced during this course.	4
<b>WEL 124</b>	<b>Intro to Gas Tungsten Arc Welding</b>  Covers welding in all positions and on various joint configurations using the GTAW (tig) welding process on carbon steel, stainless steel and aluminum. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry.	4
<b>WEL 201</b>	<b>Gas Metal Arc Welding I</b>  Covers safety inspections, minor repairs, operating parameters, operation of GMAW equipment on plain carbon steel utilizing short circuit and spray transfer, and fundamental metallurgy principles.	4
<b>WEL 202</b>	<b>Gas Metal Arc Welding II</b>  Covers safety inspections, minor repairs, operating parameters, operation of GMAW equipment utilizing a variety of electrodes and base metals, and fundamental principles of welding metallurgy to welding, fabrication, and inspection.	4
<b>WEL 203</b>	<b>Flux Cored Arc Welding I</b>  Covers safety inspections, minor repairs, operating parameters, operation of FCAW equipment utilizing self-shielded wire, and principles of joint design, preparation, and material selection to welding operations.	4

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<b>WEL 204</b>	<b>Flux Cored Arc Welding II</b>  Covers safety inspections, minor repairs, operating parameters, operating FCAW equipment utilizing gas shielded wire, and applying fundamentals of welding applications and cost estimating to welding, fabrication, and inspection.	4
<b>WEL 224</b>	<b>Advanced Gas Tungsten Arc Welding</b>  Covers welding in all positions on carbon steel, stainless steel and aluminum plate and carbon steel pipe with the GTAW process. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry.	4
<b>WEL 250</b>	<b>Layout and Fabrication</b>  Develops welding and associated skills in the use of drawings and blueprints in planning. Includes designing and layout projects.	4
<p><b>S<sup>2</sup>TEM: X-TREME Engineering</b></p> <p><b>High School Instructors: Nate Olsen &amp; Matthew Brown (Lakewood HS)</b> <b>Fall and Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of Study:</b> These courses are part of the Engineering Graphics Technology Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/engineering-graphics-technology">https://www.rrcc.edu/engineering-graphics-technology</a></p> <p><b>Earn RRCC Certificates:</b> Coursework completed may be applied toward RRCC Engineering Graphics Technology Associate of Applied Science (AAS) Degrees or the following certificates: <i>Intro to Auto CAD or Engineering Graphics Mechanical.</i></p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>CAD 101</b>	<b>Computer Aided Drafting I</b> <b>Matthew Brown (Lakewood HS)</b> <b>Nate Olsen</b>  Focuses on basic computer-aided drafting skills using the latest release of CAD software. The course includes file management, Cartesian coordinate system, drawing set-ups, drawing aids, layer usage, drawing geometric shapes, editing objects, array, text applications, basic dimensioning, and Help access.	3

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<p><b>CAD 102</b></p>	<p><b>Computer Aided Drafting II</b> <b>Matthew Brown (Lakewood HS)</b> <b>Nate Olsen</b></p> <p>Focuses on advanced computer aided drafting skills using the latest release of CAD software. Includes blocks and wblocks, polylines, multilines, polyline editing, advanced editing, editing with grips, hatching, isometric drawings, dimensions and dimension variables, paper space and viewports, templates, external references, and printing/plotting.</p>	<p>3</p>
<p><b>AEC 101</b></p>	<p><b>Basic Architectural Drafting</b> <b>Nate Olsen</b></p> <p>Introduces the student to basic architectural drafting techniques. Topics explored in lecture and through project work include: use of instruments, geometric construction, multiview, oblique and isometric projections, and basic construction drawings.</p>	<p>4</p>
<p><b>AEC 102</b></p>	<p><b>Residential Construction Draw</b> <b>Nate Olsen</b></p> <p>Introduces the student to basic architectural drafting techniques. Topics explored in lecture and through project work include: use of instruments, geometric construction, multiview, oblique and isometric projections, and basic construction drawings.</p>	<p>4</p>
<p><b>CAD 202</b></p>	<p><b>Computer Aided Drafting 3D</b> <b>Matthew Brown (Lakewood HS)</b> <b>Nate Olsen</b></p> <p>Focuses on construction of three-dimensional objects using the latest release of CAD software. Includes mesh modeling, surface modeling, solid modeling, extrusions, Boolean operations, 3D editing, 3D views, rendering, materials and advanced lighting, walkthrough and flyby animations and 3D Solids to 2D Layouts.</p>	<p>3</p>
<p><b>CAD 224</b></p>	<p><b>Revit Architecture</b> <b>Nate Olsen</b></p>	<p>3</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

	Introduces students to the AutoDesk Revit Architecture software. Examines the Building Information Modeling approach to 2D and 3D architectural construction documents. Covers the creation of floorplans, elevations, sections, 3D models, perspective Renderings and Walkthroughs with this software application.	
<b>CAD 262</b>	<b>3D Printing</b> <b>Matthew Brown (Lakewood HS)</b> <b>Nate Olsen</b>  Provides the student with the ability to blend the virtual and real design worlds together through the use of 3D Scanning, 3D CAD Modeling, and 3D Printing.	3

### Power Equipment and Motorcycle Technology

**High School Instructor: Hector Rivera**  
**Fall and Spring Enrollment**  
**Prerequisite: N/A**

#### Plans of Study:

These courses are part of the Power Equipment & Sports Vehicle Tech Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges.

<https://www.rrcc.edu/warrentech/power-equipment-sport-vehicle-technology>

(In cooperation with and taught at Warren Tech)

This two-year program is designed to provide students with the basic and advanced skill training as needed for successful entry to the power and sport vehicle industry.

#### Earn RRCC Certificates:

Coursework can be applied towards an Associate of Applied Science (AAS) degree or the following certificates: *Power Equipment Maintenance Technician or Sports Vehicle Maintenance Technician.*

Course	Description	Credits
PVT 100	Intro to Power Vehicle Safety	2
PVT 105	PV Preventive Maintenance	2
PVT 110	PV Electrical Systems	4
PVT 120	PV Engine Repair	4
PVT 130	PV Hydraulics	4
PVT 140	PV Fuel and Emissions	4
PVT 150	PV Diesel Engines	4

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

PVT 210	PV Advanced Engine Systems	4
PVT 220	PV Advanced Engine Repair	4
PVT 230	PV Drive Systems	4
PVT 235	PV Brakes and Suspension	4
PVT 240	PV Advanced Fuel and Emissions	4
PVT 250	PC General Service	4

### Dental Assisting

**High School Instructor: Cindee Ball**  
**Fall and Spring Enrollment**  
**Prerequisite: N/A**

#### Plans of Study:

This course is a part of the Dental Assistant Certificate at Red Rocks Community College and may transfer to other colleges.

<https://www.rrcc.edu/warrentech/dental-assisting>

(In cooperation with and taught at Warren Tech) Concurrent Enrollment students can earn college credit for the following courses. Skills learned include dental anatomy, dental procedures, laboratory techniques, X-Ray Techniques, patient care, chair-side techniques and sterilization and disinfection and prepare the student for the workforce.

#### Earn a RRCC Certificate:

Successful completion of all courses (optional not included) earns a Dental Assisting Certificate. This one year dental assisting program teaches students to work directly with patients to make them comfortable and assist the dentist during various procedures.

Course	Description	Credits
<b>DEA 101</b>	<b>Dental Terminology</b>	1
<i>Fall Enrollment</i>	Includes colloquial versus professional terminology, word elements and structure as they apply to dental terminology.	
<b>DEA 102</b>	<b>Principles of Clinical Practice</b>	3
<i>Fall Enrollment</i>	Includes techniques used in four handed dentistry, instrument identification, and armamentarium for tray set-ups. Covers sterilization and aseptic procedures.	
<b>DEA 104</b>	<b>Specialties in Dentistry</b>	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

<i>Fall Enrollment</i>	Focuses on armamentarium of specific tray set-ups for periodontics, endodontics, and fixed and removable prosthodontics. Examines pediatric dentistry, oral surgery, and implants. Includes diagnosis, treatment, and the dental assistant's role in each specialty.	
<b>DEA 120</b> <i>Fall Enrollment</i>	<b>Intro to Dental Practice</b> Includes roles and responsibilities of the dental health team; educational background for the various specialties, including general practitioner, hygienist, and dental assistant; history; legal implications; ethical responsibilities; and the role of professional organizations.	1
<b>DEA 121</b> <i>Fall Enrollment</i>	<b>Dental Science I</b> Includes fundamentals of the oral structures as they apply oral histology, embryology, morphology, pathology, dental anatomy, and dental charting.	3
<b>DEA 122</b> <i>Fall Enrollment</i>	<b>Dental Science II</b> Includes survey of human anatomy and physiology, the structure of the head and neck as applied to dental assisting, the function of the maxilla and mandible, processes, foramen, sutures, and major nerve and blood supply.	3
<b>DEA 123</b> <i>Spring Enrollment</i>	<b>Dental Materials I</b> Includes fundamentals of dental materials as they apply to clinical and laboratory applications.	3
<b>DEA 125</b> <i>Spring Enrollment</i>	<b>Dental Radiography</b> Focuses on the science of radiography, the application of radiographic techniques, and aseptic techniques.	3
<b>DEA 126</b> <i>Fall Enrollment</i>	<b>Infection Control</b> Includes basic information concerning infection and disease transmission in the dental office. Emphasizes knowledge of microorganisms, with an emphasis on aseptic techniques, sterilization, and hazardous communication management.	3
<b>DEA 132</b> <i>Spring Enrollment</i>	<b>Medical Emergencies in the Dental Office</b> Includes techniques for taking and reading vital signs. Emphasizes recognition, prevention, and management of medical emergency situations in the dental office. Covers completing and updating patient health history. Addresses pharmacology.	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.



<p><b>DEA 134</b></p> <p><i>Spring Enrollment</i></p>	<p><b>Prevention and Nutrition in Dentistry</b></p> <p>Includes techniques in preventive dentistry, with an emphasis on fluoride application and oral home-care instruction. Includes nutrition as it applies to dental health and diet counseling. Covers techniques for coronal polishing.</p>	<p>3</p>
<p><b>DEA 287</b></p> <p><i>Spring Enrollment</i></p>	<p><b>Cooperative Education</b></p> <p>Meets the individual needs of students engaged in intensive cooperative education under the direction of a qualified instructor.</p>	<p>2</p>
<p><b>Outdoor Leadership</b></p> <p><b>High School Instructor: Peter Nelson</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of Study:</b></p> <p>These courses are part of the Introduction to Outdoor Education Certificate at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/outdoor-education">https://www.rrcc.edu/outdoor-education</a></p> <p>The Outdoor Education program provides a well-rounded outdoor education experience and a high degree of training specific to employment within the outdoor industry. Warren Tech students who successfully complete the courses listed below will receive the Outdoor Education Certificate or can apply the credits earned towards an Associate of Applied Science Degree in Outdoor Education.</p> <p><b>Earn a RRCC Certificate:</b> Successful completion of all courses (excluding OUT 136) earns an <i>Introduction to Outdoor Education Certificate</i>.</p>		
<p><b>Course</b></p>	<p><b>Description</b></p>	<p><b>Credits</b></p>
<p><b>HWE 121</b></p>	<p><b>Wilderness First Aid</b></p> <p>Provides limited medical information to cope with basic wilderness emergencies.</p>	<p>2</p>
<p><b>PRA 218</b></p>	<p><b>Outdoor Leadership</b></p> <p>Enables the student to develop, acquire and apply outdoor leadership skills and knowledge. Exposes students to the latest information, philosophy, and techniques necessary to safely conduct outdoor programs and expeditions as an outdoor leader. Skills are applied under actual field conditions. Emphasizes minimum impact camping, wilderness ecology,</p>	<p>3</p>

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

	judgment, decision making, group dynamics, and trip logistics. These skills enhance the effectiveness of the student as a professional outdoor leader.	
<b>OUT 134</b>	<b>Wilderness Ethics</b>  Emphasizes the motivation, aesthetics, and ethics of wilderness. Viewpoints to be examined include Native American, Western, historic, and those of modern environmental writers.	2
<b>OUT 143</b>	<b>Backpacking</b>  Provides skills related to wilderness travel and outdoor adventure. This course will emphasize knowledge of backpacking skills, survival techniques, proper physical conditioning, route finding, equipment selection, and will encourage an understanding and respect for the environment. The course will involve lecture and discussion sessions followed by a weekend trip in the mountains.	2
<b>OUT 144</b>	<b>Backcountry Cooking</b>  Covers menu planning, nutritional requirements for wilderness camping, and meal preparations. This course includes cooking a backcountry meal.	1
<b>OUT 107</b>	<b>Orienteering and Route Finding</b>  Combines the topics of using different topographical maps and compasses in order to safely plan a route in the wilderness with orienteering (organized competitive cross-country land navigation). Orienteering rules, symbols, clues, and clubs will also be addressed. Field trips may include student participation in a scheduled orienteering meet.	2
<b>OUT 108</b>	<b>Wilderness Survival Skills</b>  Emphasizes the physiological, psychological, and practical principles of survival. Survival equipment, wilderness improvising techniques, and wilderness dangers are included.	3
<b>OUT 131</b>	<b>Rock Climbing I</b>	2

\*Students are encouraged to connect with their preferred college/university advisor to determine transferability of college credit.

	Designed to introduce basic rock climbing and to improve dexterity, problem-solving skills, and the physical work capacity of an individual. The primary emphasis will be to gain an understanding of the general principles of climbing, how to equipment works and how it is used, basic climbing skills and techniques, and safety and climbing etiquette and terminology.	
<b>OUT 136</b>  <i>April Enrollment</i>	<b>Leave No Trace Trainer Certification</b>  Introduces the student to the concepts of Leave No Trace and prepares students to teach Leave No Trace curriculum in a variety of settings- schools, camps, parks, wilderness and front country areas. Anyone attending this training will be considered a Leave No Trace Trainer at the national level with the Leave No Trace Center for Outdoor Ethics. Becoming a Leave No Trace Trainer enables each student to successfully conduct awareness workshops to their clients, friends, family and scouting badge workshops. Is a must for guides, outfitters, outdoor educators, agency employees, scout/youth group leaders, or anyone who cares about minimizing impact on the Colorado back country. This class is a great outdoor resume enhancer.	2
<b>OUT 216</b>	<b>Challenge Course Facilitation</b>  Provides approaches to challenge course management including construction and maintenance of high and low elements, facilitation and group dynamics, risk management and safety, and challenge course philosophies.	2
<b>OUT 112</b>	<b>Mountain Orientation</b>  A concentrated field experience in the Colorado mountain environment is provided in this course. Emphasis is on backpacking skills, safety procedures, ecology, geology, geography and group dynamics.	2
<b>OUT 113</b>	<b>Desert Orientation</b>	2

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	A concentrated field experience in a desert environment is provided in this course. Emphasis is on procedures for group travel and camping, ecology, geography and safety.	
<b>OUT 115</b>	<b>Snow Orientation</b>  A concentrated field experience in snow covered terrain and winter mountaineering is provided. Emphasis is on orienteering, natural shelter construction, site selection and survival first aid.	2
<b>OUT 126</b>	<b>Mountain Biking</b>  Designed to introduce basic mountain biking skills and techniques. The primary emphasis is to gain an understanding of the basic principles of mountain biking. Students will develop skills and techniques for all riding situations and review bicycle anatomy and basic maintenance and repairs.	1
<b>OUT 135</b>	<b>Risk Management for Outdoor Professionals</b>  Introduces risk management in the outdoor environment. Students will gain a better understanding of the inherent risks associated with various outdoor activities. They will learn how to analyze and minimize those risks, how to establish emergency protocols to react to those risks, and how to take the proper steps to resolve the consequences from those risks. After learning to identify, assess and reduce the risk, students will write a risk management plan specific to their area of interest. This course will cover outdoor leadership skills and delve into backcountry emergency situations and scenarios.	1
<p><b>Cybersecurity</b></p> <p><b>Instructor: Bill Heldman</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of study:</b></p> <p>These courses are part of the Computer Information Systems Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges.</p> <p><a href="https://www.rccc.edu/computer-technology">https://www.rccc.edu/computer-technology</a></p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>

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<b>CSC 119</b>	<p><b>Intro to Programming</b></p> <p>Emphasizes the design and implementation of structured and logically correct programs with good documentation. The course focuses on basic programming concepts, including numbering systems, control structures, modularization, and data processing. A structured programming language will be used to implement program designs.</p>	3
<b>CNG 121</b>	<p><b>Computer Tech I: A+</b></p> <p>Introduces personal computer hardware to gain the skills and knowledge for a successful entry-level computer service technician. This course provides extensive hands-on work with computer systems. It includes PC setup and configuration, floppy and hard drive installation, and basic maintenance and troubleshooting. Successful completion prepares students for the core hardware service technician portion of the CompTIA A+ Certification Exam.</p>	4
<b>CNG 122</b>	<p><b>Computer Tech II: A+</b></p> <p>Focuses on operating systems as well as installation of modems, tape backups, CD-ROM drives, and SCSI subsystems. This course covers operating systems, Windows 9x, Windows NT and Windows 2000 installation, configuration, and upgrading. It includes laser printers and backup power systems. This course prepares students for the CompTIA A+ OS Technologies Exam.</p>	4
<b>CNG 124</b>	<p><b>Networking I</b></p> <p>Provides students with the knowledge necessary to understand, identify, and perform necessary tasks involved in supporting a network. This course covers the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP. This course also prepares students for the Networking II: Network course.</p>	3
<b>CNG 125</b>	<p><b>Networking II</b></p> <p>Continues to provide students with the knowledge necessary to implement and support a network. This course focuses on the vendor-independent networking skills and concepts that affect all aspects of networking. The Networking I and II: Network + courses prepare students for the Network + certification.</p>	3

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<b>CNG 132</b>	<p><b>Network Security Fundamentals</b></p> <p>Delivers a comprehensive overview of network security, including general security concepts. Communication Security is studied, including remote access, e-mail, the Web, directory and file transfer, and wireless data. Common network attacks are introduced. Cryptography basics are incorporated, and operational/organizational security is discussed as it relates to physical security, disaster recovery, and business continuity. Computer forensics is introduced.</p>	3
<b>CNG 211</b>	<p><b>Windows Configuration</b></p> <p>Provides students with the knowledge and skills necessary to address the implementation and desktop support needs of customers who are planning to deploy and support Microsoft Windows client operating system in a variety of network operating system environments.</p>	3
<p><b>Computer Science</b></p> <p><b>Instructor: Bill Heldman</b> <b>Spring Enrollment</b> <b>Prerequisites: N/A</b></p> <p><b>Plans of study:</b> These courses are part of the Computer Information Systems Associate of Applied Science Degree at Red Rocks Community College and may transfer to other colleges. <a href="https://www.rrcc.edu/computer-technology">https://www.rrcc.edu/computer-technology</a></p> <p><b>Earn a RRCC Certificate:</b> Successful completion of all courses earns a <i>Computer Support Technician Certificate</i>. This area of emphasis provides both hardware and Windows operating systems experience needed to work as a PC support and repair person. It also exposes the student to the basic fundamentals of networking and IT security. The student will also be prepared to take the A+ certification exams.</p>		
<b>Course</b>	<b>Description</b>	<b>Credits</b>
<b>CSC 119</b>	<p><b>Intro to Programming</b></p> <p>Emphasizes the design and implementation of structured and logically correct programs with good documentation. The course focuses on basic programming concepts, including numbering systems, control structures,</p>	3

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	modularization, and data processing. A structured programming language will be used to implement program designs.	
<b>CNG 121</b>	<b>Computer Tech I: A+</b>  Introduces personal computer hardware to gain the skills and knowledge for a successful entry-level computer service technician. This course provides extensive hands-on work with computer systems. It includes PC setup and configuration, floppy and hard drive installation, and basic maintenance and troubleshooting. Successful completion prepares students for the core hardware service technician portion of the CompTIA A+ Certification Exam.	4
<b>CNG 122</b>	<b>Computer Tech II: A+</b>  Focuses on operating systems as well as installation of modems, tape backups, CD-ROM drives, and SCSI subsystems. This course covers operating systems, Windows 9x, Windows NT and Windows 2000 installation, configuration, and upgrading. It includes laser printers and backup power systems. This course prepares students for the CompTIA A+ OS Technologies Exam.	4
<b>CNG 124</b>	<b>Networking I</b>  Provides students with the knowledge necessary to understand, identify, and perform necessary tasks involved in supporting a network. This course covers the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP. This course also prepares students for the Networking II: Network course.	3
<b>CNG 125</b>	<b>Networking II</b>  Continues to provide students with the knowledge necessary to implement and support a network. This course focuses on the vendor-independent networking skills and concepts that affect all aspects of networking. The Networking I and II: Network + courses prepare students for the Network + certification.	3
<b>CNG 211</b>	<b>Windows Configuration</b>	3

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	Provides students with the knowledge and skills necessary to address the implementation and desktop support needs of customers who are planning to deploy and support Microsoft Windows client operating system in a variety of network operating system environments.	
<b>Building Trades Pre-Apprenticeship</b> <b>High School Instructor: Marc Frates and TBD</b> <b>Spring Registration</b>		
Course	Description	Credits
<b>HVA 105</b>  <i>Spring Enrollment</i>	<b>Electricity for HVAC/R</b>  Teaches resistance, current, voltage and power in AC and DC circuits, measurements, computations of series and parallel circuits, circuit analysis, and troubleshooting with basic test equipment.  Co-requisite: HVA 107  <b>Plan of Study:</b> This course is a part of the Carpentry Certificates at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/hvac/degrees-and-certificates">http://www.rccc.edu/hvac/degrees-and-certificates</a>	4
<b>HVA 107</b>  <i>Spring Enrollment</i>	<b>Safety in the Workplace</b>  <b>High School Instructors: TBD</b>  Introduces the need for safety in the workplace and the role that OSHA has in helping to prevent and eliminate work-related injuries. Introduces the need for emergency action plans, the proper use of personal protective equipment (PPE), and hand and power tool safety practices. Covers the use of stairway and ladders, roof work, and electrical safety. Covers a variety of relevant first aid topics.  <b>Plan of Study:</b> This course is a part of the Carpentry Certificates at Red Rocks Community College and may transfer to other colleges. <a href="http://www.rccc.edu/hvac/degrees-and-certificates">http://www.rccc.edu/hvac/degrees-and-certificates</a>	2

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