

Warren Tech Central Concurrent Enrollment Courses

Small Business Start-up		
	High School Instructor : Laurel Himes	
	Dione of Study, http://www.wee.edu/huciness/degrees contificates	
	Plans of Study: http://www.rrcc.edu/business/degrees-certificates	
Course	Description	Credits
SBM 101	Starting a Small Business	1
Spring Enrollment	Provides a brief overview of various topics related to starting a small business. Some topics are types of businesses, location, image, insurance, permits, and licenses.	
	Prerequisites: N/A	
BUS 118	Business Survival Skills	3
Spring Enrollment	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.	
	Prerequisites: N/A	

Automotive Collision Repair

(In cooperation with and taught at WarrenTech) 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.

High School Instructor: James Porter Fall and Spring Enrollment

Prerequisite: N/A Plans of Study: http://www.rrcc.edu/warrentech/auto-service-collision-customization/autocollision-technology-degrees-certificates Description **Credits** Course **ACT 101** Introduction to Automotive Collision Tech. 4 **ACT 110 Safety in Collision Repair** 2 **Metal Welding and Cutting** 2 **ACT 111** 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 ACT 132 Structural Damage Repair** 3 **ACT 141 Refinishing Safety** 1 2 **ACT 142 Surface Preparation I ACT 143 Spray Equipment Operation** 2 2 **ACT 144** Refinishing I **ACT 151 Plastics & Adhesives I** 1 3 **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 2 **ACT 180 Auto Collision Repair Internship Level I** 3 **ACT 205 Estimating & Shop Management** 2 **ACT 211 Metal Welding & Cutting II ACT 226 Production** 4 **ACT 231 Advanced Structural Damage Diagnosis & Repair** 3 2 **ACT 232 Fixed Glass Repair ACT 241 Paint Defects** 3 2 **ACT 242 Surface Preparation II ACT 243 Refinishing II** 2 **ACT 244 Final Detail** 2 **ACT 132** Structural Damage Repair 3

Automotive Customization

(In cooperation with and taught at WarrenTech)

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. Coursework can be applied towards an Associate of Applied Science Degree (AAS) or certificate.

High School Instructor: Steve Erickson Fall and Spring Enrollment

Plans of Study: http://www.rrcc.edu/warrentech/auto-service-collision-customization/automotive-customization-degree-certificates

customization, automotive customization degree certificates		
Course	Description	Credits
ACT 101	Introduction to Automotive Collision Tech.	4
ACT 110	Safety in Collision Repair	2
ACT 111	Metal Welding/Cutting	3
ACT 122	Panel Repair & Replacement	3
ACT 123	Metal Finishing/Body Filling	3
ACT 141	Refinishing Safety	1
ACT 142	Surface Prep I	2
ACT 143	Spray Equipment Operation	2
ACT 144	Refinishing I	2
ACT 160	Custom Paint	3
ACT 161	Auto Graphics & Design	3
ACT 162	Auto Air Brushing and Murals	3
ACT 163	Auto Special Effects & Refinishing	3
ACT 165	Auto Body Customizing I	3
ACT 166	Auto Body Customizing II	3
ACT 167	Auto Customizing II	3
ACT 170	Automotive Collision Technology Lab. Exp. I	3
ACT 171	Auto Collision Technical Lab Exp. II	1
ACT 172	Auto Collision Technical Lab Exp. III	3
ACT 205	Estimating and Shop Management	3
ACT 211	Metal Welding/Cutting II	2
ACT 243	Refinishing II	2

AUT 109	High Performance Suspension & Chassis Design	2
AUT 110	High Performance Suspension & Chassis Set-up	4
AUT 116	High Performance Brake Systems	2
AUT 125	Engines I	4
AUT 136	Intro to Racecar Body Fab.	2
AUT 137	Intro to Racecar Chassis Fab.	2
ASE 102	Introduction to the Automotive Shop	2
ASE 120	Basic Auto Electricity	2
ASE 130	General Engine Diagnosis	2

Automotive Technology

(In cooperation with and taught at WarrenTech)

This program is a nationally certified automotive repair program (NATEF) which provides you with entry-level skills in the automotive industry or upgrading for those currently in the field. Demonstrated mastery of skills is required and all tasks must be completed to satisfy industry standards. All automotive (ASE) courses are held at the WarrenTech automotive classroom/lab. The instructors are ASE Certified Master Technicians. Coursework can be applied towards an Associate of Applied Science Degree (AAS) or certificate.

High School Instructor: Kelly Hebert Fall and Spring Enrollment

Plans of Study: http://www.rrcc.edu/warrentech/auto-service-collision-customization/automotive-service-technology-degrees-certificates

Course	Description	Credits
ASE 101	Auto Shop Orientation	2
ASE 102	Intro to Auto Shop	2
ASE 110	Brakes I	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	5
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 120	Basic Automotive Electricity	2
ASE 110	Brakes I	3
ASE 120	Basic Automotive Electricity	2
ASE 122	Automotive Electricity Safety Systems	1
ASE 123	Starting and Charging Systems	2
ASE 221	Automotive Body Electrical	4
ASE 160	Engine Removal & Install	2
ASE 162	Automotive Engine Service	2
ASE 201	Automotive Parts Management I	1
ASE 203	Automotive Parts Management II	1
ASE 170	Lab Experience I	1
ASE 171	Lab Experience II	1

Culinary Arts

Successful completion of the three courses listed below will lead to an Introduction to Culinary Arts Certificate.

High School Instructors : Joachim Schaaf and David Bochmann

Plans of Study: www.rrcc.edu/culinary/degree-and-certificate

Course	Description	Credits
CUA 101	Food Safety and sanitation	2
Spring	Covers the basic rules of sanitation, food-borne illnesses, safe food	

Enrollment	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. Prerequisites: NA	
CUA 121	Introduction to Food Production Principles and Practices	1
Spring Enrollment	Provides students with the fundamental principles of commercial kitchen	
CUA 157	Menu Planning	3
Spring Enrollment	Introduces students to Planning menus and integrating them into foodservice operations. Equips the student with a working knowledge of the function, mechanics, and results achieved by the menu, providing an overview of the existing and growing food service industry as seen through the menu.	
	Prerequisites: NA	

Hairstyling

(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.

High School Instructor: Judy Maciel Fall and Spring Enrollment Prerequisite: N/A

Plans of Study: http://www.rrcc.edu/warrentech/cosmetology

Course	Description	Credits
COS 103	Shampoo/Rinses/Conditioners I	1
COS 130	Intro to Hair Styling	2

COS 120	Intro to Haircutting	2
COS 140	Intro to Chemical Texture	1
COS 110	Intro to Hair Coloring	2
COS 160	Intro to Disinfection, Sanitation and Safety	2
COS 250	Management, Ethics, Interpersonal Skills & Sales	1
COS 150	Laws, Rules and Regulations	1
COS 131	Intermediate I: Hair Styling	2
COS 121	Intermediate I: Hair Cutting	2
COS 141	Intermediate I: Chemical Texture	1
COS 203	Shampoo/Rinses/Conditioners II	1
COS 111	Intermediate I: Hair Coloring	2
COS 161	Intermediate I: Disinfection, Sanitation & Safety	1
COS 230	Intermediate II: Hair Styling	2
COS 220	Intermediate II: Hair Cutting	2
COS 240	Intermediate II: Chemical Texture	1
COS 210	Intermediate II: Hair Coloring	2
COS 260	Intermediate II: Disinfection, Sanitation & Safety	2
COS 231	Advanced Hair Styling	1
COS 211	Advanced Hair Coloring	2
COS 241	Advanced Chemical Texture	1
COS 221	Advanced Hair Cutting	2
COS 261	Advanced Disinfection, Sanitation and Safety	1
COS 262	Advanced II: Disinfection, Sanitation and Safety	3

Esthetics

(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.

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

Plans of Study: http://www.rrcc.edu/warrentech/cosmetology

Course	Description	Credits
EST 110	Introduction to Facials and Skin Care	3
EST 111	Intermediate Facials and Skin Care	2
EST 160	Introduction to Disinfection, Sanitation & Safety	2
EST 161	Intermediate Disinfection, Sanitation and Safety	3
EST 210	Advanced Skin Care and Massage	2
EST 211	Facial Make-Up	1
EST 212	Hair Removal	3
EST 260	Advanced Disinfecting, Sanitation and Safety	2
COS 150	Laws, Rules and Regulations	1
COS 250	Mgmt, Ethics, Interpersonal Skills & Salesmanship	1

Fire Science

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.

High School Instructor: Tim Vaninger

Plans of Study: http://www.rrcc.edu/fire-science/fire-fighter-one-academy

Course	Description	Credits
FST 102	Principles of Emergency Services	3
	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.	
	Prerequisites:	
	ACT: English 18 SAT: Verbal 440 Accuplacer: Sentence Skills 95 or higher	

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.	FST 160	Candidate Physical Abilities Test Prep Course	3
		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	

Precision Machining

(In cooperation with and taught at WarrenTech)

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. Coursework can be applied towards an Associate of Applied Science Degree (AAS) or certificate.

High School Instructor: Joe Martin Fall and Spring Enrollment Prerequisite: N/A

Plans of Study: http://www.rrcc.edu/precision-machining

Course	Description	Credits
MAC 101	Intro to Machine Shop	3
MAC 102	Blueprint Reading	3
MAC 110	Intro to Engine Lathe	3
MAC 111	Intermediate Engine Lathe	3
MAC 120	Introduction to Milling Machine	3
MAC 121	Intermediate Milling Machine	3
MAC 201	Intro to CNC Turning Operations	3
MAC 205	Intro to CNC Milling Operations	3
MAC 250	Advanced Inspection Techniques	3
MAC 252	Practical Metallurgy	3
MAC 130	Horizontal Mill Set-up & Operations	3
MAC 141	Conventional Lathe Operations	4

MAC 141	Advanced Machining Operations	4
MAC 145	Production Manufacturing	3
MAC 202	CNC Turning Operations II	3
MAC 206	CNC Milling Operations II	3
MAC 245	CAD/CAM 3D	3
EGT 205	Geometric Dimensioning and Tolerance	3

TV/Video Production

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.

High School Instructor: Jon White Spring Enrollment

Plans of Study: <u>www.rrcc.edu/multimedia/degrees-and-certificates</u>

Course	Description	Credits
MGD 101	Introduction to Computer Graphics	3
	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.	
	Prerequisites: N/A	
MGD 104	Videography	3
	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.	
	Prerequisites: N/A	
MGD 164	Digital Video Editing: Apple Final Cut Studio	3
	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.

Prerequisites: N/A

Graphic Design

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.

High School Instructor: Peter Cunis and Scot Odendahl

Plans of Study: www.rrcc.edu/multimedia/degrees-and-certificates

Plans of Study: www.rrcc.edu/muitimedia/degrees-and-certificates		
Course	Description	Credits
MGD 101	Intro to Graphic Design	3
	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. Prerequisites: N/A	
MGD 111	Adobe Photoshop I	3
	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. Recommended Prerequisite: MGD 101 or MGD 102 and basic computer skills.	
	Prerequisites: N/A	
MGD 112	Adobe Illustrator I 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. Recommended Prerequisites: MGD 101 or MGD 102	3
	and basic computer skills.	
	Prerequisites: N/A	
MGD 114	Adobe InDesign	3
	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.

Prerequisites: N/A

Nail Technology

(In cooperation with and taught at WarrenTech)

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).

High School Instructor: Michelle Montoya Spring Enrollment

Plans of Study: www.rrcc.edu/warrentech/cosmetology

Course	Description	Credits
COS 150	Laws, Rules and Regulations	1
COS 160	Intro to Disinfection, Sanitation and Safety	2
COS 161	Intermediate I: Disinfection, Sanitation & Safety	1
COS 250	Management, Ethics, Interpersonal Skills & Salesmanship	1
COS 260	Intermediate II: Disinfection, Sanitation & Safety	2
NAT 110	Introduction to Manicures and Pedicures	3
NAT 111	Intermediate Manicures and Pedicures	2
NAT 210	Advanced Manicures and Pedicures	2
COS 261	Advanced Disinfection, Sanitation/Safety	1
NAT 211	Application of Artificial Nails	5

Welding

(In cooperation with and taught at WarrenTech) 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.

Coursework may be applied towards Associate of Applied (AAS) degree or certificate.

High School Instructor: Tom Kienbaum Fall and spring enrollment

Prerequisite: N/A

Plans of Study: www.rrcc.edu/warrentech/welding

Course	Description	Credits
WEL 100	Safety for Welders	1
	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.	
WEL 101	Allied Cutting Process	4
	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.	
WEL 102	Oxyacetylene Joining Processes	4
	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.	
WEL 103	Basic Shielded Metal Arc Welding	4
	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.	
WEL 110	Advanced Shielded Metal Arc Welding	4
	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.	
WEL 124	Intro to Gas Tungsten Arc Welding	4
	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.	
WEL 201	Gas Metal Arc Welding I	4
	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.	
WEL 202	Gas Metal Arc Welding II	4
	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.	
WEL 203	Flux Cored Arc Welding I	4
	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.	
WEL 204	Flux Cored Arc Welding II	4
	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.	
WEL 224	Advanced Gas Tungsten Arc Welding	4
	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.	
WEL 250	Layout and Fabrication	4
	Develops welding and associated skills in the use of drawings and blueprints in planning. Includes designing and layout projects.	

NASA/HUNCH-STEM Sustainable Design and Build

Coursework completed may be applied toward the RRCC Renewable Energy and Engineering Graphics Technology Associate of Applied Science (AAS) Degrees or certificates.

High School Instructors: Nate Olsen and Matthew Brown (Lakewood HS)
Fall and spring enrollment

Plans of Study:

www.rrcc.edu/stem www.rrcc.edu/renewable-energy www.rrcc.edu/engineering-graphics-technology

<u>www.rrcc.edu/engmeering-grapnics-technology</u>		
Course	Description	Credits
ENV 101	Environmental Science	3
	Introduction to Energy Technologies Introduces the energy technologies in use today and those that are in the research stage as possible alternatives. The course presents technologies including active solar heating, passive solar heating, wind energy systems, biomass, photovoltaic, co-generation, low and high head hydro, hydrogen, geothermal, power towers and energy storage systems.	
	Prerequisites: N/A	
CAD 101	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. Prerequisites: N/A	3
CAD 102	Computer Aided Drafting II	3
CAD 102	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. Prerequisites: N/A	,
0011427	•	1
OSH 127	10 Hr. Construction Industry Standards Prerequisites: N/A	1

AEC 101	Basic Architectural Drafting	4
	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. Prerequisites: N/A	
AEC 102	Residential Construction Draw	4
	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.	
	Prerequisites: N/A	
CAD 202	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	3
	Prerequisites: N/A	
CAD 262	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. Prerequisites: N/A	3
CAR 170	Construction Lab	1-6
	Prerequisites: N/A	

Power Equipment and Motorcycle

Coursework completed with a grade of C or better may be applied towards the Power Equipment and Motorcycle Associate of Applied Science (AAS) degree or certificate.

(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. Coursework can be applied towards an Associate of Applied Science (AAS) degree or certificates.

High School Instructor: Ed Baumguard Fall and Spring Enrollment

Plans of Study: www.rrcc.edu/warrentech/power-equipment-sport-vehicle-technology

Program currently under revision

Course	Description	Credits
PVT 100		2
PVT 105		2
PVT 110		4
PVT 120		4
PVT 130		4
PVT 140		4
PVT 150		4
PVT 210		4
PVT 220		4
PVT 230		4
PVT 235		4
PVT 240		4
PVT 250		4

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.

High School Instructor: Cindee Ball Spring Enrollment

Course	Description	Credits
DEA 104	Specialties in Dentistry	2

	<u> </u>	
	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.	
	Prerequisite: N/A	
DEA 126	Infection Control	3
	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.	
	Prerequisite: N/A	
DEA 134	Prevention and Nutrition in Dentistry 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. Prerequisite: N/A	3
DEA 120	Intro to Dental Practice	1
	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. Prerequisite: N/A	

Introduction to Outdoor Education Certificate

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.

High School Instructor: Peter Nelson Spring Enrollment

Plans of Study: www.rrcc.edu/outdoor-education/degree-and-certificate

Course	Description	Credits
HWE 129	Wilderness First Responder	4
	Provides students with those skills and emergency medical are technique used by guides, trip leaders, and others providing primary care in backcountry setting. Students will be able to respond correctly to those medical and trauma situations commonly encountered when entry into the EMS system is delayed or unlikely.	
	Prerequisite: ACT: English 18 SAT: Verbal 440 Accuplacer: Sentence Skills 95	
PRA 218	Outdoor Leadership	3
	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 on minimum impact camping, wilderness ecology, judgment, decision making, group dynamics, and trip logistics. These skills enhance the effectiveness of the student as a professional outdoor leader.	
OUT 134	Wilderness Ethics	2
	Emphasized the motivation, aesthetics, and ethics of wilderness. Viewpoints to be	

	examined include Native American,	
	Western, historic, and those of modern	
	environmental writers.	
OUT 144	Backcountry Cooking	1
	Covers menu planning, nutritional	
	requirements for wilderness camping, and	
	meal preparations. This course includes	
	cooking a backcountry meal.	
OUT 107	Orienteering and Route Finding	2
	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.	
OUT 108	Wilderness Survival Skills	3
	Emphasizes the physiological, psychological,	
	and practical principles of survival. Survival	
	equipment, wilderness improvising	
	techniques, and wilderness dangers are	
	included.	
OUT 131	Rock Climbing I	2
	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.	
OUT 136	Leave No Trace Trainer Cert.	2
	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 worships. 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.	
OUT 216	Challenge Course Facilitation 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

Environmental Science

Offered as part of the STEM and Outdoor Leadership program to 2nd year students. This guaranteed transfer course can be applied towards all associate degrees if a grade of C or better is earned.

High School Instructor: Elizabeth Hudd Spring Enrollment

Plans of Study: www.rrcc.edu/degrees-certificates

Course	Description	Credits
ENV 101	Environmental Science	3
	Provides an introduction to the basic concepts of ecology and the relationship between environmental problems and biological systems. This course includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and	

environmental protection. Using a holistic approach, students will study how the foundation of natural sciences interconnect with the environment. This course includes laboratory experience.	
Prerequisites: ACT: English 18 and math 19 SAT: Verbal 440 and math 460 Accuplacer: Sentence Skills 95 and Elementary Algebra 60	

Executive Internship - 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.

High School Instructor: Debbie Swick Spring Enrollment

Plans of study: http://www.rrcc.edu/business/degrees-certificates

Course	Description	Credits
MAR 106	Marketing your Image	3
	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.	
	Prerequisite: N/A	
BUS 118	Business Survival Skills	3
	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.	
	Prerequisite: N/A	