

## RTC Concentrations 16.17

### Descriptions and Required Courses for Completer Programs

#### Automotive Technology

- ◆ Covers theory and diagnostics of brakes, steering/suspension, engine repair, electrical, and engine performance.  
Auto Tech- TR1620 Transportation and Distribution & Logistics-Facility & Mobile Equipment Maintenance  
*1631-Fund. Of Auto Tech., 1625-Brakes, 1623-Basic Engine Concepts-, 1637-Suspension & Steering*

#### Carpentry

- ◆ Introduces the fundamentals of construction industry as well as foundations, plumbing, and finishing work.  
Carpentry- AR1820 Architecture & Construction-Construction  
*1842-Carpentry I, 1843-Carpentry II, 1844-Carpentry III, 1845-Carpentry IV*

#### Business Education

- ◆ Includes accounting, business computer applications, banking, finance, publishing, digital imaging, document processing, introduction to business, office management, spreadsheet management, game design, and web page design.  
Career & Work Skills Training-On the job training for two blocks. Must be a junior to apply.  
Career & Work Skills Training-BM0510  
*0511-CWST I, 0512-CWST II, 0513-CWST Work Experience I, 0514-CWST Work II*  
Accounting -BM1410  
*1439 -Business & Marketing Essentials, 1411-BCA, 1401-Acct Principles I, 1403 Acct Principles II*  
Administrative Support-BM1465  
*1401-Acct. I, 1411- BCA, 1439-B & M Essentials, 1413-BCA II*  
Information Technology-Interactive Media (2)  
Information Management-IT 1450 IT  
*1411-BCA, 1431-Digital Imaging, 1455-Web Page Publishing, 1429-Desktop or 1432-Digital Imaging II*  
Simulation & Game Development- IT1442 IT  
*1431-Digital Imaging I, 1455-Web Page, 1456-Game Design I, 1457-Game Design II*

#### Collision Repair Technology

- ◆ Covers structural and non- structural analysis and damage repair, surface preparation, painting/refining, analysis, repair, and replacement of mechanical and electrical components and assemblies.  
Collision Repair Technology-TR1670 Transportation and Distribution & Logistics  
*1671-Fund. Of Collision Repair, 1675-Non-Structural Analysis/Repair, 1677-Structural, 1679-Surface*

#### Electrical Technician

- ◆ Teaches basic electrical theory and concepts. Applied residential and commercial wiring methods and materials are studied as well as the National Electric Code. *PR Algebra I/Math 9*  
Electrical Technician-AR1760 Architecture & Construction  
*1756-Electrical Trades I, 1757-ET II, 1758-ET III, 1759-ET IV*

#### Health Occupations

- ◆ Includes study of basic body structure and function, and first aid. The course may include clinical certification.  
Therapeutic Services HE0723.  
*0711-Found of Health Science, 0715-Adv. Prin. Health Sci., 0789-CNA Clinical I, 0790- Patient Care Technician Clinical, 0730-Science of Clinical Experience*

#### Industrial Equipment Maintenance

- ◆ Introduces tools and systems applied with electricity, welding and hydraulics emphasizing safety. *PR Algebra I/Math 9*  
Industrial Maintenance-MA 1870 Manufacturing-Maintenance, Installation & Repair  
*1873-Fund Ind. Maint, 1875-Hydraulic&Pneumatics, 1871-Electrical Maint. 1985-Fund of Welding Technology*

#### Law and Public Safety

- ◆ Prepares students for employment in the fields of corrections and law enforcement with emphasis on applications and ethical issues in safety leadership.  
Law & Public Safety-LA 1020  
*1225-Fund. Of Public Safety Leadership, 1226-Ethical Issues in Public Safety, 1039-Practical Applications in Public Safety, (A)1034- Seminar In Corrections or (B) 1035-Seminar in Law Enforcement*

### **Mill & Cabinet**

- ◆ Includes basic math and measuring skills, blue print reading and interpretation, lumber grading, and origins and properties of wood as a manufacturing material. Uses woodworking machines and CNC router.

#### Millwork & Cabinetmaking-MA2120Manufacturing-Production

*2126-Millwork& Cabinetmaking I, 2127-MW&Cab II, 2128-MW& Cab III, 2129-MW & Cab IV*

### **Energy, Power and Engineering Systems**

- ◆ This course provides students the opportunity to explore career in the production in renewable and non-renewable sources.

*PreRequisite Algebra I/Math 9*

#### Energy, Power & Engineered Systems ST 2175STEM-Engineering & Technology A/C

*2485-Energy&Power Found., 2486-Energy Trans.& Distribution, 2487 Electronics&Control Systems, 2488-Adv.Sci&EngSys.*

### **Power Equipment Systems**

- ◆ Emphasizes repair of small engines and motorcycles including complete rebuilds and overhauls. Focus is on service and repair of recreational vehicles, lawn and garden machinery, and chainsaws.

#### Power Equipment Systems-TR1960 Transportation and Distribution & Logistics-FMEM

*1962-Fund. Of Power Equipment I, 1964-Fund. Of P. E II, 1966-PE Service I, 1968-PE Service II*

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