**RTC Concentrations 17.18**

**Descriptions and Required Courses for Completer Programs**

**Automotive Technology** *EC Tr. Math 16.17*

* 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** *EC Tr. Math 15.16*

* 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 *EC Tr. Eng. 15.16*

*1431-Digital Imaging I, 1455-Web Page, 1456-Coding, App & Game Design I, 1457- Code, App. &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 Technology** *EC Tr. Math 15.16*

* 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** *EC Tr. Eng. 15.16*

* 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 1870Manufacturing-Maintenance, Installation & Repair

 *1873-Fund Ind. Maint, 1875-Hydraulic&Pneumatics, 1871-Electrical Maint. 1985-Fund of Welding Technology*

 **Law and Public Safety** *EC Tr. Eng. 16.17*

* 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 (E) 6044-Forensic Science*

**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** *EC Math. Modeling 16.17 and 3rd Science*

* 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*

*7/8/2017*