Courses for The Good Life Solution

**Automotive Technology — two year**
- High demand, currently over 750,000 automotive technician jobs in the U.S., average salary is over $40,000.
- Students earn 17 college credits through dual enrollment with TNCC.
- Training involves engine repair, transmissions, brakes, electrical systems, HVAC, and engine performance.
- Summer mentorship opportunities provide paying jobs, real world experience, and a good learning environment that can lead into careers after graduation.

**CREDENTIALS**
- National Automotive Technician's Education Foundation (NATEF)
- Automotive Youth Educational Systems (AYES)
- Automotive Service Excellence (ASE)

**Construction, Electrical HVAC Systems and Technology — one year**
- Gain knowledge related to all major construction Systems and Technology with average salary of $44,000.
- Strong foundation to enter specialized training in senior year or Apprenticeship training upon graduation.
- Great opportunity and flexibility for entry employment and career focus.

**CREDENTIALS**
- NCCER CORE Assessment

**Building Construction — one year**
- Employment strong with 5% to 8% growth with average salary of $42,000.
- Prepares for entry construction jobs worker with lucrative career occupations, and opportunity to own your own business.
- Prepares for postsecondary education in multiple construction fields: construction management, design and mechanical fields.
- Provides training regarding construction standards and OSHA; foundation; flooring, wall, roof, and exterior systems.

**CREDENTIALS**
- NOCTI Carpentry Assessment; OSHA 10

**Electricity and Renewable Energy — one year**
- Employment strong with average salary of $47,000.
- Provides training to install, maintain and repair residential and commercial wiring, power systems, and equipment and fixtures.
- Study of schematics, communications cable and wiring, and alternative renewable energy sources to includes solar panels.

**CREDENTIALS**
- NOCTI Electrical Construction Technology Assessment

**HVAC — one year**
- Strong employment opportunities with average salary in Hampton Roads being $45,000.
- Students learn to install, troubleshoot and repair operating conditions of heating and cooling systems.
- Students also learn EPA regulations and energy management systems.

**CREDENTIALS**
- EPA Technician Examinations

**Welding — two years**
- High demand, currently over 7,000 welders, earning between $36,000 and $60,000 before overtime.
- The NHRECS welding program prepares and links students to employment with local manufacturers and Newport News Shipbuilding, Liebher, Arconic, Master Machines.
- Hampton Roads area has the highest number and paying jobs for welders in Virginia.
- Teaches Arc, Gas, Mig, Tig, Flux welding; as well as design, layout and fabrication.

**CREDENTIALS**
- AWS (American Welding Society); NOCTI assessment; OSHA 10

**Mechatronics — one year**
- Entry Salary is $36,000 – $40,000. High demand high growth employment (16% growth to 2024) with manufacturing in the state.
- Special Opportunity limited to 16 students: TNCC program taught at Continental Automotive Systems Inc.
- Students earn 19 dual enrollment credits (free) and a TNCC Precision Machining CNC Technology Career Studies Certificate.

**CREDENTIALS**
- NOCTI Mechatronics; Siemens Mechatronics Systems

**Automation and Mechanical Production Technology — one year**
- Entry Salary is $30,000 – $40,000. High demand growth employment opportunities with several manufacturing companies on the Greater Peninsula and in the state.
- Aligns with TNCC Advanced Integrated Manufacturing Center.
- Students exposed general manufacturing and production systems, automated systems, mechanical systems, and advanced technologies.
- Well rounded training for employment in production and automation occupations: assemblers, fabricators, industrial technicians and mechanics, robotics operators, and many other high growth occupations.

**CREDENTIALS**
- NOCTI Manufacturing Technology

**Precision Machining CNC Technology — one year**
- Salary is $33,000 – $55,000 and higher based upon skill set. Highly skilled occupation involving the design, setup, programming and operation of machining equipment in the manufacturing of products.
- Special Opportunity limited to 16 students: TNCC program taught at Continental Automotive Systems Inc.
- Students earn 19 dual enrollment credits (free), and a TNCC Precision Machining CNC Technology Career Studies Certificate.
- Precision Machining introduces students to use of precision tools and instruments to include operation and setup of various types of precision grinders, milling machines, and drill presses. Training also focuses on computer numerical control program writing, setup, and operation for lathe and milling machines.