ELECTRIC VEHICLE (EV) TECHNOLOGY/CERTIFICATION STEM CURRICULUM

EV STEM Core Courses
- Foundations of Electromechanical Systems – 1 credit course
- EV U.S. & Global Policy, Ethics, Safety and Regulations – 1 credit course
- EV Charging Station Maintenance – 0.5 credit course
- Emerging Battery Technology – 0.5 credit course
- EV System Components, Wiring and Assembly – 1 credit course
- EV Programming, Tuning and Diagnostics – 1 credit course
- EV Lab – Clean Build/Pre-Fab (Exeeder) – 0.5 credit course
- EV Lab – Retrofit/EV Conversion (Exeeder) – 0.5 credit course
- AI Control Systems – 0.5 credit course
- EV Technician Certification Prep – 0.5 credit course

Curriculum (30 Credits - with the possibility for 60 Dual-Credit Hours)
- Year 1: Python Programming, Algebra I/Geometry Combo Course, Biology, World Geography, Elective (Foreign Language recommended), English I, Kinesiology
- Year 2: C++ Programming, Algebra II/Precalculus Combo Course, Chemistry, World History, Elective (Foreign Language recommended), English II, Kinesiology
- Year 3: Foundations of Electromechanical Systems, EV U.S & Global Policy, EV Charging Station Maintenance, Emerging Battery Technology, U.S History, Trigonometry, English III, Physics, AI Control Systems, Kinesiology
- Year 4: EV System Components-Wiring-Assembly, EV Programming-Tuning-Diagnostics, EV Lab Clean Build/Pre-Fab, EV Lab-Retrofit/Conversion, U.S. Government/Economics, English IV, Entrepreneurship, Accounting, EV Technician Certification Prep