



NEUROBOTICS IMMERSION CURRICULUM

Neurobotics Immersion Core Courses

- Foundations of Neuroscience
- Neurodiagnostics
- Neural/Brain Tracts & Biofeedback
- Foundational Robotics
- Advanced Robotics & Control Systems
- Competitive Robotics
- Python Programming I & II
- C++ Programming I & II
- Embedded Systems
- Computer Vision Design & Implementation
- Design & Applications of Artificial Intelligence
- Applications in Machine Learning
- Product Development & System Design
- Intellectual Property

Curriculum Pathway (36 Credits - with the possibility for 60 Dual-Credit Hours)

- Year 1: Foundations of Neuroscience, Foundational Robotics, Python Programming I & II, Algebra I-Geometry Combo, Biology, World Geography, Elective (Foreign Language recommended), English I, Kinesiology
- Year 2: Neurodiagnostics, Advanced Robotics & Control Systems, C++ Programming I & II, Algebra II-Precalculus Combo, Chemistry, World History, Elective (Foreign Language recommended), English II, Kinesiology
- Year 3: Neural/Brain Tracts & Biofeedback, Competitive Robotics, Computer Vision Design & Implementation, Physics, Embedded Systems, U.S History, Calculus I, English III, Kinesiology
- Year 4: Design & Applications of Artificial Intelligence, Applications in Machine Learning, Competitive Robotics, Calculus II, U.S. Government, Intellectual Property, Kinesiology, English IV, Product Development & System Design