AVT 148: Microprocessors and Interfacing

This course introduces basic programming and interfacing of a typical microprocessor, including data flow in the execution of program instructions, data manipulation, data storage, and interfacing using programmable devices. Emphasisis placed on writing simple programs, executing, debugging programs and programming devices to serve as input/output interface units, and the flow of data during the fetch and execute phases of a program. Students will understand how a microprocessor runs a stored program, how to use an instruction set, and how to interface with displays, switches, and programmable devices.

Credits: 4
Lab Hours: 9
Lecture Hours: 1
Clinical Hours: 0
Prerequisites: **AVT 121 AVT 131**