

# Practical Microcontrollers Certificate 25-26

(Non-Credit)



## ABOUT THIS MAJOR

Embark on an enriching journey into the realm of microcontrollers with our Certificate of Completion program. This comprehensive curriculum blends foundational knowledge from Introduction of Microcontrollers with advanced applications

explored in Applications of Microcontrollers. Throughout the program, students delve into microcontroller components, programming techniques, and project-based learning scenarios, honing their skills in sensor integration, automation, and interfacing with other languages. By program completion, students emerge equipped with a comprehensive understanding of microcontroller technology, ready to innovate and excel in industries and disciplines requiring embedded systems expertise.

For more information, visit the [Mathematics, Sciences, and Engineering](#)

### TO EARN A CERTIFICATE A STUDENT MUST COMPLETE THE FOLLOWING:

[1] A minimum grade "P" on each course

**(Noncredit) CERT- Practical Microcontrollers**

[Total Hours required for certificate: 108]

Require Course, complete ALL the following: (total 108 hours)	
ENGR910 - Introduction to Microcontrollers	54
ENGR960 - Applications of Microcontrollers	54

## RECOMMENDED PATHWAY

### Practical Microcontrollers Certificate (Noncredit)

The Recommended Plan of Study is determined by the discipline faculty. Take classes in **Summer** or **Intersession** if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Intersession: Max 6 units

☒ Major

#### SEMESTER 1

Course Advisement	Hours
<input checked="" type="checkbox"/> ENGR910	54
<b>Total Hours</b>	<b>54</b>

#### SEMESTER 2

Course Advisement	Hours
<input checked="" type="checkbox"/> ENGR960	54
<b>Total Hours</b>	<b>54</b>

**Total Overall Hours** | **108**

## COUNSELING NOTE SECTION

**Prerequisite:** If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

### Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.

AVC 25-26 CATALOG: [ACADEMIC POLICIES](#)

### INFORMATION and RESOURCES

Tutoring Assistance	Career Center	AVC Student Health Services
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	Counseling Division