



# AUTOMATION & CONTROL SYSTEMS

**Associate in Science Degree  
Certificate of Achievement**

The Automation and Control Systems program provides training in foundation level skills necessary for employment in the expanding field of automation and control systems. Training includes electrical power and controls, instrumentation, programmable logic controllers (PLCs), building automation, and networking. Graduates can seek employment and excellent wage opportunities as building automation technicians and control systems technicians with manufacturers, vendors, service companies, as well as large facilities such as government and education facilities, hospitals, and office buildings. *For more information contact: Alan Ainsworth (805) 678-5042 [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu)*

Required Core Courses	Units
AC R020 Electrical Systems I	3.0
AC R020L Electrical Systems I Lab	2.0
AC R021L Electrical Systems II Lab	2.0
<i>*Prerequisite: AC R020L</i>	
ACS R100 Automation and Control Systems	4.0
<i>*Prerequisites: AC R020 and AC R020L and AC R021L</i>	
ACS R110 Programmable Logic Controllers (PLCs)	4.0
<i>*Prerequisites: AC R020 and AC R020L and AC R021L</i>	
<div style="display: flex; align-items: center;"> <div style="font-size: 2em; margin-right: 10px;">↩</div> <div>           CNIT R120 Cisco CCNA Computer Networking I            -or-            CNIT R144 CompTIA Security+ Fundamentals and Certification Prep         </div> </div>	4.0
<b>Total Required Major Units</b>	
19.0	
Oxnard College General Education Pattern	
29.0	
Double-Counted Units	
0.0	
Degree-Applicable Electives (needed to reach 60 units)	
<b>+12.0</b>	
<b>Total units required for the A.S. Degree</b>	
<b>60.0</b>	

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*