

APPLIED INDUSTRIAL TECHNOLOGY:

INDUSTRIAL TECHNOLOGY & FABRICATION

FIND YOUR PATH.



PROGRAM DESCRIPTION

The Certificate of Achievement in Industrial Technology and Fabrication is designed to prepare students to develop the core technical skills necessary to meet the needs and challenges of applied industrial technologies and the various industries utilizing these skills, including manufacturing, fabrication, construction and welding. Students integrate concepts from the areas of fabrication, welding, heavy equipment, computer applications, and fluid power as applied to the technological sectors of manufacturing, construction, and agriculture.



APPLY NOW:

www.venturacollege.edu/apply-and-enroll/apply-for-admission

REGISTER FOR COURSES:

www.venturacollege.edu/apply-and-enroll/registration



Faculty Lead: Dorothy Farias

805.289.6570

dfarias@vcccd.edu

www.venturacollege.edu/agriculture



REQUIRED COURSES FOR INDUSTRIAL TECHNOLOGY & FABRICATION INTERDISCIPLINARY CERTIFICATE OF ACHIEVEMENT

TWO-YEAR PLAN:

SEMESTER 1	(Fall)	UNITS
AG V13	Agricultural & Industrial Computer Applications	3
MT V02	Applied Machining I	2
MT V04	Measurements & Computations	3
SEMESTER 2 (Spring)		
AIT V03	Fluid Power: Hydraulics & Pneumatics	3
AIT V04	Industrial Electrical Systems	3
MIT V05	CNC Machining I	2
SEMESTER 3 (Fall)		
AIT V01	Intro to Heavy Equipment: Operation & Maintenance	3
WEL V01	Intro to Welding	2
SEMESTER 4 (Spring)		
MT V18	Manufacturing Projects & Applications	2
WEL V13A	ARC & MIG Welding I	4
WEL V30	Applied Metal Fabrication	2
TOTAL		29

ONE-YEAR PLAN:

SEMESTER 1	(Fall)	UNITS
AG V13	Agricultural & Industrial Computer Applications	3
AIT V01	Intro to Heavy Equipment: Operation & Maintenance	3
MT V02	Applied Machining I	2
MT V04	Measurements & Computations	3
WEL V01	Intro to Welding	2
SEMESTER 2 (Spring)		
AIT V03	Fluid Power: Hydraulics & Pneumatics	3
AIT V04	Industrial Electrical Systems	3
MIT V05	CNC Machining I	2
MT V18	Manufacturing Projects & Applications	2
WEL V13A	ARC & MIG Welding I	4
WEL V30	Applied Metal Fabrication	2
TOTAL		29



WORK-BASED EXPERIENCES

Ventura College offers students the opportunity to apply their skills while still in college, gain on-the-job experience, and "try out" a career before graduation through internships or work-based learning experiences.

Courses are \$46 per unit.

Ventura College participates in an array of federal and state financial aid programs including the Ventura College (VC) Promise, grants, loans and work-study. Contact the Financial Aid Office at (805) 289-6369 or vcfinancialaid@vccd.edu.

The Ventura College Foundation provides additional scholarships and textbook lending support. Contact the Ventura College Foundation at (805) 289-6461 or vcfoundation@vccd.edu / vcgiving.org for more information.

APPLIED INDUSTRIAL TECHNOLOGY:

HEAVY EQUIPMENT & INDUSTRIAL SYSTEMS OPERATION & MAINTENANCE

FIND YOUR PATH.



PROGRAM DESCRIPTION

The Certificate of Achievement in Heavy Equipment and Industrial Systems Operation and Maintenance is designed to prepare students to develop the core technical skills necessary to meet the needs and challenges within the various industries utilizing these skills, including agricultural production, processing and industrial manufacturing. Students will integrate and apply concepts from the areas of heavy equipment operations, maintenance, small and compact engines, welding, electrical, and fluid power as applied to the technological sectors of agriculture and industrial technology.



APPLY NOW:

www.venturacollege.edu/apply-and-enroll/apply-for-admission

REGISTER FOR COURSES:

www.venturacollege.edu/apply-and-enroll/registration



Faculty Lead: Dorothy Farias

805.289.6570

dfarias@vcccd.edu

www.venturacollege.edu/agriculture



REQUIRED COURSES FOR HEAVY EQUIPMENT & INDUSTRIAL SYSTEMS OPERATION & MAINTENANCE INTERDISCIPLINARY CERTIFICATE OF ACHIEVEMENT

TWO-YEAR PLAN:

SEMESTER 1	(Fall)	UNITS
AG V13	Agricultural & Industrial Computer Applications	3
MT V04	Measurements & Computations	3
WEL V01	Intro to Welding	2
SEMESTER 2 (Spring)		
AIT V02	Small Gasoline & Compact Diesel Engines	3
AIT V03	Fluid Power: Hydraulics & Pneumatics	3
AIT V04	Industrial Electrical Systems	3
SEMESTER 3 (Fall)		
AG V05	Agricultural Farm Power: Operation & Maintenance	3
AIT V01	Intro to Heavy Equipment: Operation & Maintenance	3
SEMESTER 4 (Spring)		
AIT V05	Intro to Agricultural & Industrial Systems	4
MT V18	Manufacturing Projects & Applications	2
TOTAL		29

ONE-YEAR PLAN:

SEMESTER 1	(Fall)	UNITS
AG V05	Agricultural Farm Power: Operation & Maintenance	3
AG V13	Agricultural & Industrial Computer Applications	3
AIT V01	Intro to Heavy Equipment: Operation & Maintenance	3
MT V04	Measurements & Computations	3
WEL V01	Intro to Welding	2
SEMESTER 2 (Spring)		
AIT V02	Small Gasoline & Compact Diesel Engines	3
AIT V03	Fluid Power: Hydraulics & Pneumatics	3
AIT V04	Industrial Electrical Systems	3
AIT V05	Intro to Agricultural & Industrial Systems	4
MT V18	Manufacturing Projects & Applications	2
TOTAL		29



WORK-BASED EXPERIENCES

Ventura College offers students the opportunity to apply their skills while still in college, gain on-the-job experience, and "try out" a career before graduation through internships or work-based learning experiences.

Courses are \$46 per unit.

Ventura College participates in an array of federal and state financial aid programs including the Ventura College (VC) Promise, grants, loans and work-study. Contact the Financial Aid Office at (805) 289-6369 or vcfinancialaid@vccd.edu.

The Ventura College Foundation provides additional scholarships and textbook lending support. Contact the Ventura College Foundation at (805) 289-6461 or vcfoundation@vccd.edu / vcgiving.org for more information.