

MACHINES, MANUFACTURING, AND CARS



The curriculum in the Machines, Manufacturing and Cars pathway includes studies in diagnosing, adjusting, repairing, or overhauling automotive vehicles or machines. Programs emphasize topics and skills in problem-solving, safety, use of equipment, trouble-shooting and repair.

Most careers in this pathway can be entered on program completion, though some require advanced credentials and are designed for students intending to transfer.

- Program Award definitions can be found on the Types of Degrees and Certificates (<https://catalog.cos.edu/areas-study/#summaryofdegreestext>) webpage.
- To sort/filter the table below, click the funnel icon under the column header.

Degree and Certificates

Program Title	Program Award	Division	Financial Aid Eligible
Agriculture Power Equipment Technician (https://catalog.cos.edu/areas-study/agricultural-technology/skill-certificate-agriculture-power-equipment-technician/)	Skill Certificate	Agriculture	No

Agricultural Technology (https://catalog.cos.edu/areas-study/agricultural-technology/associate-science-agricultural-technology-not-for-transfer-as/)	A.S. Degree	Agriculture	Yes
Agriculture Technology (https://catalog.cos.edu/areas-study/agricultural-technology/certificate-achievement-agriculture-technology/)	Certificate of Achievement	Agriculture	Yes
Automotive Air Conditioning Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-air-conditioning-technology/)	Skill Certificate	Industry & Technology	No
Automotive Chassis Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-chassis-technology/)	Skill Certificate	Industry & Technology	No
Automotive Electrical Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-electrical-technology/)	Skill Certificate	Industry & Technology	No

Automotive Emissions Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-emissions-technology/)	Skill Certificate	Industry & Technology	No	Dassault Systemes SolidWorks (https://catalog.cos.edu/areas-study/drafting/certificate-achievement-dassault-systemes-solidworks/)	Certificate of Achievement	Industry & Technology	Yes
Automotive Engine Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-engine-technology/)	Skill Certificate	Industry & Technology	No	Electrical Technology (https://catalog.cos.edu/areas-study/electrician-training/associate-science-electrical-technology/)	A.S. Degree	Industry & Technology	Yes
Automotive Power Train Systems Technology (https://catalog.cos.edu/areas-study/automotive-technology/skill-certificate-automotive-power-train-systems-technology/)	Skill Certificate	Industry & Technology	No	Environmental Control Technology (HVAC) (https://catalog.cos.edu/areas-study/environment-control-technology/associate-science-environmental-control-technology-hvac-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
Automotive Technology (https://catalog.cos.edu/areas-study/automotive-technology/associate-science-automotive-technology-basic-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes	Environmental Control Technology (HVAC) (https://catalog.cos.edu/areas-study/environment-control-technology/certificate-achievement-environmental-control-technology/)	Certificate of Achievement	Industry & Technology	Yes

Industrial Automation (https://catalog.cos.edu/areas-study/industrial-maintenance/associate-science-industrial-automation/)	A.S. Degree	Industry & Technology	Yes	Programmable Logic Controllers (https://catalog.cos.edu/areas-study/industrial-maintenance/skill-certificate-programmable-logic-controllers/)	Skill Certificate	Industry & Technology	No
Industrial Automation (https://catalog.cos.edu/areas-study/industrial-maintenance/certificate-achievement-industrial-automation/)	Certificate of Achievement	Industry & Technology	Yes	Welding (https://catalog.cos.edu/areas-study/welding/certificate-achievement-welding/)	Certificate of Achievement	Industry & Technology	Yes
Industrial Maintenance Technology (https://catalog.cos.edu/areas-study/industrial-maintenance/associate-science-industrial-maintenance-technology-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes	Welding Technology (https://catalog.cos.edu/areas-study/welding/associate-science-welding-not-for-transfer-as/)	A.S. Degree	Industry & Technology	Yes
Industrial Maintenance Technology (https://catalog.cos.edu/areas-study/industrial-maintenance/certificate-achievement-industrial-maintenance-technology/)	Certificate of Achievement	Industry & Technology	Yes	//			
Mechanical Drafting (https://catalog.cos.edu/areas-study/drafting/certificate-achievement-mechanical-drafting/)	Certificate of Achievement	Industry & Technology	Yes				