

ROBOTICS TECHNOLOGY AAS DEGREE - DUAL CREDIT

Mechanical engineering technicians help mechanical engineers design, develop, test, and manufacture mechanical devices, including tools, engines and machines. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings.

- Degree Type: AAS
- Not all courses available online
- Robotics is offered at Terrell ISD campus
- TSI (<https://coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/>): required

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
Term One		
Lang, Phil & Culture/Creative Arts		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
BCIS-1305	Business Computer Applications	3
DFTG-1310	Specialized Basic Computer Aided Drafting (cad)	3
RBTC-1305	Robotic Fundamentals	3
INMT-1317	Industrial Automation	3
Hours		18
Term Two		
ELMT-1305	Basic Fluid Power	3
GOVT-2305	Federal Government (Fed Constitution) Constitution & Topics)	3
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
ELMT-1301	Programmable Logic Controllers	3
MATH-1314	College Algebra	3
Hours		15
Term Three		
MATH-2312	Pre-Calculus Math	3
RBTC-1341	Vision Systems	3
RBTC-1343	Robotics	3
RBTC-1345	Robot Interfacing	3
ELPT-1341	Motor Control	3
Hours		15
Term Four		
PHYS-1401	College Physics I	4

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ENGL-1301	Composition I	3
RBTC-2239	Robot Programming and Diagnostics	2
ELMT-2333	Industrial Electronics	3
ELMT-2339	Advanced Programmable Logic Controllers	3
Hours		15
Total Hours		63