

AUTOMATION AND CONTROLS AAS

- Degree Type: AAS
- All courses available ...
- Automation and Controls AAS ...
- TSI (<https://coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/>): ...

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314	College Algebra	3
Lang./Phil./Culture or Creative Arts		3
GOVT-2305	Federal Government (Fed Constitution) Constitution & Topics)	3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
BCIS-1305	Business Computer Applications	3
MCHN-1320	Precision Tools and Measurement	3
DFTG-1310	Specialized Basic Computer Aided Drafting (cad)	3
ELPT-1311	Basic Electrical Theory	3
ELMT-1305	Basic Fluid Power	3
Hours		15
Term Two		
MCHN-2344	Computerized Numerical Control Programming	3
DFTG-1357	Specialized Intermediate Computer Aided Drafting	3
RBTC-1243	Vision Systems	2
ELPT-1341	Motor Control	3
Hours		11
Term Three		
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
MCHN-2335	Advanced CNC Machining	3
ELMT-1301	Programmable Logic Controllers (or TSTC ELPT 2319)	3
RBTC-2239	Robot Programming and Diagnostics	2
Hours		11
Term Four		
MCHN-1380	Machine Tool Technology/Machinist (or Approved Elective)	3
RBTC-1241	Vision Systems (Capstone)	2
ELMT-2339	Advanced Programmable Logic Controllers	3
Hours		8
Total Hours		60

Approved Elective

Code	Title	Hours
ARCE-2344	Statics and Strength of Materials	3
DFTG-2340	Solid Modeling/Design	3