



Engineering Technology Associate in Applied Science (AAS) Degree



ENGINEERING TECHNOLOGY AAS Degree
All students complete common courses in the first year.

FIRST YEAR:

First Semester

ENGT 105	PC Applications in Technology	3
MATH 123	Technical Algebra/Trigonometry	4
ENGT 101	Blueprint/Schematic Reading	3
ENGT 100	Engineering Technology Systems	2
ENGT 103	Fundamentals of DC Circuits	2
ENGT 104	Fundamentals of Machining	2
ENGT 102	Fundamentals of AutoCAD	<u>2</u>
Total Semester Hours:		18

Second Semester

MATH 223	Technical Calculus	4
ENGT 150	Hydraulics/Pneumatics	3
ENG 101 or COMM 100		3
Engineering Tech Elective		3
Engineering Tech Elective		<u>3</u>
Total Semester Hours		16

SECOND YEAR

First Semester

ENGT 190	Engineering Tech Practicum	2
ENGT 224	Computer Programming	3
PHYS 101 or CHEM 101		4
Engineering Tech Elective		3
Engineering Tech Elective		<u>3</u>
Total Semester Hours		15

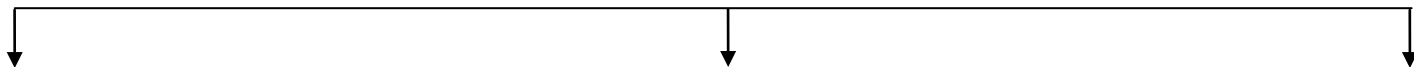
Second Semester

Engineering Tech Elective	3	
Engineering Tech Elective	3	
Engineering Tech Elective	3	
Engineering Tech Elective	3	
Engineering Tech Elective	<u>3</u>	
Total Semester Hours		15

TOTAL degree credit hours:

64

Engineering Technology AAS Tracks



Electrical Track Electives:

	Credit Hrs.	
ENGT 163	Fundamentals of AC Power	3
ENGT 168	Logic Systems I	3
ENGT 210	Mechatronics I	3
ENGT 215	Experimental Testing Systems	3
ENGT 218	Logic Systems II	3
ENGT 260	Mechatronics II	3
ENGT 263	Topics in Engineering Tech	3
ENGT 268	Engineering Technology Project	3
ENGT 290	Engineering Tech Internship	<u>3</u>
Total credit hours:		27

Manufacturing Processes Track Electives

	Credit Hrs.	
ENGT 180	Basic Manufacturing Processes	3
ENGT 186	Introductory CNC	3
ENGT 231	Lathe Operations	3
ENGT 232	Milling Operations	3
ENGT 236	Intermediate CNC	3
ENGT 283	Advanced Machining Operations	3
ENGT 286	Advanced CNC with CAM	3
ENGT 170	Engineering Materials	3
ENGT 280	Quality Issues in Machining	<u>3</u>
Total credit hours:		27

Mechanical Track Electives

	Credit Hrs	
ENGT 170	Engineering Materials	3
ENGT 172	AutoCAD I – 2D Graphics	3
ENGT 222	AutoCAD II – 3D Graphics	3
ENGT 226	Professional Engineering I	3
ENGT 270	Statics & Strength of Materials	4
ENGT 276	Professional Engineering II	3
ENGT 272	Computer Aided Drafting I	3
ENGT 274	Computer Aided Drafting II	3
ENGT 186	Introductory CNC	<u>3</u>
Total credit hours:		28