

# Engineering Technician AAS

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## First Semester: Fall Start

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
EGT 1100	Print Reading	3	N/A
EGT 1101	Mechanical Design I	3	EGT 1100 or concurrent
ELT 1206	Fundamentals of DC/AC	4	College Quantitative Literacy or Co-Req MAT 0140
ELT 1246	Digital Devices in Computers	3	ELT 1206 or concurrent enrollment
MAT 1340 or higher	College Algebra GT-MA1 or higher MAT course GT-MA1	4	Next Gen Accuplacer AAF score of 245, SAT 590 or MAT 0300 (Grade of C or higher)
		<b>Total</b>	<b>17</b>

## Second Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 2455	SolidWorks Mechanical (1 <sup>st</sup> Bi-semester)*	3*	EGT 1100
CAD 2456	Advanced SolidWorks (2 <sup>nd</sup> Bi-semester) *	3*	CAD 2455
EGG 1020	Engineering Methodologies	3	ENG 1021 or concurrent enrollment, MAT 1420 or MAT 1440 or concurrent enrollment
ENG 1031 or higher	Technical Writing I or higher ENG course GT-CO1	3	College Reading & Writing Literacy or Co-Req ENG 0077 or Co-req CCR 0094 for ENG 1021
ELT 2362	Intro to Microcontrollers	3	EGT 1100, ELT 1206, & ELT 1246
ELT 2367	Intro to Robotics	1	EGT 1100, EGT 1101, ELT 1206, & ELT 1246
MAT 1420	College Trigonometry GT-MA1	3	Next Gen Accuplacer AAF score of 280, SAT 610 or MAT 1340 (Grade of C or higher)
		<b>Total</b>	<b>16*/19</b>

## Third Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
COM 2220	Group Communication GT-SS3	3	N/A
EGT 1102	Mechanical Design II	3	EGT 1100 and EGT 1101
EGT 1110	Introduction to Design and Engineering Applications	3	N/A
EGT 2303	Applied Dimensions and Tolerances	3	EGT 1100, EGT 1101, and EGT 1102 or concurrent
ELT 2368	Robotics Technology	3	ELT 2367
		<b>Total</b>	<b>15</b>

## Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
EGT 2310	Mechanical Design III	3	CAD 2455, CAD 2456, and EGT 2303
MAC 1000	Machine Shop Safety	1	N/A
MAC 1001	Introduction to Machine Shop	3	MAC 1000 or concurrent enrollment
MTE 2330	Strength of Materials	3	CAD 2455, EGT 2303, and MAT 1420 or higher
PHY 1111	Physics: Algebra-Based I with Lab: GT-SC1	5	MAT 1340
		<b>Total</b>	<b>15</b>

It is highly recommended you meet with your Department Advisor. Contact advisor [via email](#) to set up advising appointment.

\*Denotes a bi-semester course- Student completes 1<sup>st</sup> Bi-semester and 2<sup>nd</sup> Bi-semester in the same semester. Student enrolled in 16 credits concurrently, adding 2<sup>nd</sup> bi-semester course at mid semester, completing a total of total of 19 credits for the semester.

Contact Advising: Annie Landis: [Annie.landis@pikespeak.edu](mailto:Annie.landis@pikespeak.edu)

Interim Department Chair: [michele.koster@pikespeak.edu](mailto:michele.koster@pikespeak.edu)

Unforeseen events could impact the offering of a particular course; however, we will make every effort to assure the least negative impact on students should a change in a rotation be required.