



<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
BUSTEC 1202T	Software Applications	1
ENGTECH 1201.01T	Exploring Engineering Technologies	.5
ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
ENGTECH 2240T	Welding Technology	3
ENGTECH 2312T	Engineering Technology Fundamentals	3
ENGTECH 2336T	Methods of Power Transmission	2
GENSTDS 1201.01T	College Orientation	.5
Elective	Elective (free)	<u>3</u>
		17
<u>1st Year – Spring Semester</u>		
BUSTEC	Elective	3
ENGLISH 1110.01 or AGRCOMM 3130	First-Year Composition or Oral Expression in Agriculture	3
ENGTECH	Elective	2
ENGTECH 2221T	Component Rebuilding	2
ENGTECH 2224T	Fluids, Filtration, and Fluid Conveyance	2
ENGTECH 2322T	Basic Electricity and Electronics	<u>3</u>
		15
Total Credits		32

Students must be eligible to enroll in GENMATH 1141T or 1145T to complete the certificate requirements. If not eligible to enroll in GENMATH 1141T or 1145T, students will need to successfully complete remedial mathematics courses depending on placement levels.

BUSTEC Elective options – 3 credits required

BUSTEC 1151T	General Economics	3
BUSTEC 2231T	Fundamentals of Marketing	3
BUSTEC 2232T	Personal Selling	3
BUSTEC 2241T	Small Business Management	3
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3

ENGTECH Elective options – 2 credits required

ENGTECH 2050T	Introduction to Geographic Information Systems	3
ENGTECH 2234T	Basic Pneumatic Systems	2
ENGTECH 2238T	Electrohydraulics and System Design	3
ENGTECH 2242T	Metals and Metal Manufacturing	2