

**ENGINEERING**  
**Certificate of Technical Studies**

**Fall Semester**

ENGR 120S	Engineering Graphics		3
ENGR 140S	Introduction to Engineering & Technology		2
SMAT 121S	Pre-Calculus	<b>or</b>	4
SMAT 211S	Analytical Geometry and Calculus I		4

**Spring Semester**

SMAT 122S	Plane Trigonometry	<b>or</b>	3
SMAT 212S	Analytical Geometry and Calculus II		4
ECET 220S	Digital Logic Design Lecture and Lab		4
ENGR 230S	Technical Communication		3
ECET 110S	Electrical Circuits I Lecture and Lab	<b>or</b>	4
ENGR 226S	Statics and Dynamics for Engineers		4

**Total Credit Hours** **23 or 24\***

\* 23 credit hours for Engineering Technology track  
 24 credit hours for Engineering track