

**CERTIFICATE  
SPECIALIZATION ESSENTIALS ENGINEERING TECHNOLOGY  
(Suggested Occupational Plan)**

<b>FIRST SEMESTER</b>		Lec.	Lab	Sem. Hrs.	Clock Hrs.
COSC1309	Logic Design.....	3	1	3	64
or ENGR 2304	Programming for Engineers.....	2	3	3	80
ENGR 1201	Introduction to Engineering.....	2	0	2	32
ENGT 1407	Digital Fundamentals.....	3	3	4	96
or CETT 1415	Digital Applications.....	3	4	4	112
or ENGR 2406	Introduction to Digital Systems.....	3	3	4	96
MATH 1314	College Algebra.....	3	0	3	48
or MATH 1316	Plane Trigonometry.....	3	0	3	48
RBTC 1305	Robotic Fundamentals.....	2	4	3	96
or ELMT 1301	Programmable Logic Controllers.....	1	6	3	112
or ENGR 1304	Engineering Graphics I.....	2	3	3	80
Total Semester Hours for Certificate				15	