

**ASSOCIATE ARTS – FIELD OF STUDY**

**ENGINEERING CURRICULUM**

		<u>Lec</u> <u>Hrs</u>	<u>Lab</u> <u>Hrs</u>	<u>Ext</u> <u>Hrs</u>	<u>Cont</u> <u>Hrs</u>	<u>Cred</u> <u>Hrs</u>	<u>See</u> <u>Note</u>
ORIE 0100	New Student Orientation	1	0	0	16	1	1
ENGR 1201	Introduction to Engineering	2	0	0	32	2	2
ENGL 1301	Composition I	3	0	0	48	3	
MATH 2413	Calculus I	4	0	0	64	4	
HIST 1301	United States History I	3	0	0	48	3	
CHEM 1311	General Chemistry I	3	0	0	48	3	
CHEM 1111	General Chemistry Laboratory I	0	4	0	64	1	
KINE 1100	Physical Activities	0	3	0	48	1	
		<u>13</u>	<u>7</u>	<u>0</u>	<u>320</u>	<u>15</u>	<u>3</u>

**First Semester**

- Notes: 1. Required by local policy for all new students.  
2. Suggested for students who are uncertain of engineering as a career and/or who need a review of basic problem solving.  
3. ORIE 0100 and ENGR 1201 do not count toward degree requirements.

		<u>Lec</u> <u>Hrs</u>	<u>Lab</u> <u>Hrs</u>	<u>Ext</u> <u>Hrs</u>	<u>Cont</u> <u>Hrs</u>	<u>Cred</u> <u>Hrs</u>	<u>See</u> <u>Note</u>
ENGL 1302	Composition II	3	0	0	48	3	
MATH 2414	Calculus II	4	0	0	64	4	
HIST 1302	United States History	3	0	0	48	3	
ENGR 2304	Programming for Engineers	2	3	0	80	3	
CHEM 1312	General Chemistry II	3	0	0	48	3	
CHEM 1112	General Chemistry Laboratory II	0	4	0	64	1	
KINE 1110	Physical Activities	0	3	0	48	1	
		<u>15</u>	<u>10</u>	<u>0</u>	<u>400</u>	<u>18</u>	

**Second Semester**

**Summer Term**

		<u>Lec</u> <u>Hrs</u>	<u>Lab</u> <u>Hrs</u>	<u>Ext</u> <u>Hrs</u>	<u>Cont</u> <u>Hrs</u>	<u>Cred</u> <u>Hrs</u>	<u>See</u> <u>Note</u>
	Humanities Elective	3	0	0	48	3	
	Social and Behavioral Sciences Elective	3	0	0	48	3	
		<u>6</u>	<u>0</u>	<u>0</u>	<u>96</u>	<u>6</u>	

**SOUTHWEST TEXAS JUNIOR COLLEGE**

**FICE 003614**

**CIP 14.0101**

		<b><u>Lec</u></b>	<b><u>Lab</u></b>	<b><u>Ext</u></b>	<b><u>Cont</u></b>	<b><u>Cred</u></b>	<b><u>See</u></b>
		<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Note</u></b>
GOVT 2301	American Government I	3	0	0	48	3	
MATH 2415	Calculus III	4	0	0	64	4	
PHYS 2425	University Physics I	3	3	0	96	4	
ENGR 2301	Engineering Mechanics I - Statics	3	0	0	48	3	
SPCH 1321	Business and Professional Speech	3	0	0	48	3	
		<u>16</u>	<u>3</u>	<u>0</u>	<u>304</u>	<u>17</u>	

**Third Semester**

		<b><u>Lec</u></b>	<b><u>Lab</u></b>	<b><u>Ext</u></b>	<b><u>Cont</u></b>	<b><u>Cred</u></b>	<b><u>See</u></b>
		<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Hrs</u></b>	<b><u>Note</u></b>
GOVT 2302	American Government II	3	0	0	48	3	
MATH 2320	Differential Equations	3	0	0	48	3	
PHYS 2426	University Physics II	3	3	0	96	4	
ENGR 2302	Engineering Mechanics II - Dynamics	3	0	0	48	3	
	Fine Arts Elective	3	0	0	48	3	
		<u>15</u>	<u>3</u>	<u>0</u>	<u>288</u>	<u>16</u>	

**GRAND TOTAL**

**1312 72**

**Fourth Semester**