



**Associate of Science in Engineering  
Dual Enrollment Engineering Academy Degree Plan 2020-2022**

<b>South Texas College</b>	
<b>(Fall 1<sup>st</sup> Year) Semester I</b>  MATH 1414 College Algebra HIST 1301 United States History I ENGL 1301 Composition ENGR 1201 Introduction to Engineering  <div style="text-align: right;"><b>Total</b></div>	4 3 3 2 <b>12</b>
<b>(Spring 1<sup>st</sup> Year) Semester II</b>  MATH 2412 Pre-Calculus ENGL 1302 Composition II-Rhetoric CHEM 1409 General Chemistry for Engineering Majors I HIST 1302 United States History II  <div style="text-align: right;"><b>Total</b></div>	4 3 4 3 <b>14</b>
<b>Summer Session I &amp; II</b> MATH 2413 Calculus I (SSI) ENGR 1304  PHYS 2425 University Physics I (SSII) MUSI 1301  <div style="text-align: right;"><b>Total</b></div>	4 3  4 3 <b>14</b>
<b>(Fall 2<sup>nd</sup> Year) Semester III</b>  MATH 2414 Calculus II GOVT 2305 Federal Government ENGR 2301 Statics PHYS 2426 University Physics II  <div style="text-align: right;"><b>Total</b></div>	4 3 3 4 <b>14</b>
<b>(Spring 2<sup>nd</sup> Year) Semester IV</b>  GOVT 2306 Texas Government MATH 2415 Calculus III ENGR 2405 Electrical Circuits I ENGR 2302 Dynamics  <div style="text-align: right;"><b>Total</b></div>	3 4 4 3 <b>14</b>
<b>Total STC Credits</b>	<b>68</b>
<b>Optional Core Curriculum Courses to Be Core Complete</b> <b>Language, Philosophy, &amp; Culture – 3 Credit Hours</b> <b>Social &amp; Behavioral Sciences Elective – 3 Credit Hours</b>	<b>Total 6 Hrs.</b>