

# ENGINEERING - COE

## ENGINEERING

Engineering Science - Associate of Science in Engineering Science (ASES) . . . . .2-3

# Academic Degrees and Certificates

## Associate of Science in ENGINEERING SCIENCE

### FIRST YEAR

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#### First Semester - Fall

ENGL	1301	Composition I	3
HIST	#3## <sup>1</sup>	American History Elective	3
MATH	2413	Calculus I	4
CHEM	1311	General Chemistry I (Lecture)	3
CHEM	1111	General Chemistry I (Lab)	1
ENGR	1201	Introduction to Engineering	2
<b>Semester Total</b>			<b>16</b>

#### Second Semester - Spring

ENGR	1204	Engineering Graphics I	2
ENGL	1302	Composition II <b>OR</b>	
ENGL	2311	Technical & Business Writing	3
MATH	2414	Calculus II	4
PHYS	2325	University Physics I (Lecture)	3
PHYS	2125	University Physics I (Lab)	1
GOVT	2305	Federal Government	
GOVT	2306	Texas Government	3
<b>Semester Total</b>			<b>16</b>

### SECOND YEAR

#### First Semester - Fall

ENGR	2304	Programming for Engineers	
ECON	2301	Principles of Macroeconomics <b>OR</b>	
ECON	2302	Principles of Microeconomics	
ENGR	2301	Engineering Mechanics-Statics	3
MATH	2415	Calculus III	4
PHYS	2326	University Physics II (Lecture)	3
PHYS	2126	University Physics II (Lab)	1
<b>Semester Total</b>			<b>17</b>

# Academic Degrees and Certificates

## Second Semester - Spring

ENGR	2405	Electrical Circuits I	4
MATH	2320	Differential Equations	3
XXXX	#3## <sup>2</sup>	Engineering Elective	3
XXXX	#3## <sup>1</sup>	Creative Arts Elective	3
XXXX	#3## <sup>1</sup>	Language, Philosophy, & Culture Elective	3
<b>Semester Total</b>			<b>16</b>
<b>Total Minimum Credits for the ASES Degree</b>			<b>65</b>

<sup>1</sup>A list of electives appears in the Core Curriculum section of this catalog.

<sup>2</sup>Consult with an advisor to select an appropriate elective.

CORE not complete with this plan.