

# Architectural Engineering Curriculum

		Credit Hours		
		Lec	Lab	Tot
CAE 100	Intro to Prof I: Intro to Drawing	1	2	2
CAE 110	Professional Practice I	1	0	1
CAE 105	Geodetic Science	2	3	3
CHEM 124	Principles of Chemistry I	3	3	4
MATH 151	Calculus I	4	2	5
		3	0	3
Humanities or Social Science				
<b>Totals</b>		<b>14</b>	<b>10</b>	<b>18</b>

		Credit Hours		
		Lec	Lab	Tot
MMAE 201	Mechanics of Solids I	3	0	3
PHYS 221	Electromagnetics and Optics	3	3	4
MATH 251	Multivariate and Vector Calculus	4	0	4
CAE 208	Thermodynamics and Fluid Statics	3	0	3
AAH 119	History of World Architecture I	3	0	3
<b>Totals</b>		<b>16</b>	<b>3</b>	<b>17</b>

		Credit Hours		
		Lec	Lab	Tot
CAE 315	Materials of Construction	2	3	3
CAE 312	Engineering Systems Analysis	3	0	3
CAE 303	Structural Design I	3	0	3
CAE 304	Structural Analysis I	2	3	3
CAE 331	Building Science	3	0	3
CAE 383	Electrical and Electronic Circuits	3	0	3
<b>Totals</b>		<b>16</b>	<b>6</b>	<b>18</b>

		Credit Hours		
		Lec	Lab	Tot
CAE 470	Construction Methods and Cost Estimating	2	3	3
CAE 464	HVAC Systems Design	3	0	3
CAE 468	Architectural Design	2	1	2
CAE	Technical Elective	3	0	3
CAE	Technical Elective	3	0	3
Humanities or Social Science		3	0	3
<b>Totals</b>		<b>16</b>	<b>4</b>	<b>17</b>

		Credit Hours		
		Lec	Lab	Tot
CAE 101	Intro to Prof II: CAD	0	4	2
CAE 111	Professional Practice II	1	0	1
CS 105	Intro to Computing	2	1	2
PHYS 123	Mechanics	3	3	4
MATH 152	Calculus 2	4	2	5
		3	0	3
Humanities or Social Science				
<b>Totals</b>		<b>13</b>	<b>10</b>	<b>17</b>

		Credit Hours		
		Lec	Lab	Tot
MMAE 202	Mechanics of Solids II	3	0	3
PHYS 224	Thermal and Modern Physics	3	0	3
MATH 252	Introduction to Differential Equations	4	0	4
CAE 209	Fluid Mechanics and Heat Transfer	4	0	4
	Humanities or Social Science	3	0	3
<b>Totals</b>		<b>17</b>	<b>0</b>	<b>17</b>

		Credit Hours		
		Lec	Lab	Tot
CAE 307	Structural Design II	2	3	3
CAE 323	Soil Mechanics	2	3	3
CAE 334	Illumination and Acoustics	3	0	3
CAE 461	Plumbing and Fire Protection Design	3	0	3
IPRO (Not IPRO 315 or 335)		3	0	3
		3	0	3
Humanities or Social Science				
<b>Totals</b>		<b>16</b>	<b>6</b>	<b>18</b>

		Credit Hours		
		Lec	Lab	Tot
CAE 471	Construction Planning and Scheduling	3	0	3
IPRO 335	IPRO Capstone Design	3	0	3
CAE 469	Architectural Studio	0	4	2
CAE	Technical Elective	3	0	3
Humanities or Social Science		3	0	3
<b>Totals</b>		<b>12</b>	<b>4</b>	<b>14</b>

**Total Credit Hours** **136**