

Terms	Course Number	Course Name	Learning Outcomes			
			I	D	A	
			Introduced	Developed	Applied	
<b>1.Knowledge Base</b>						
	AE 100	Concepts Studio				
	AE 101	History of the Built Environment				
1A	AE 104	Mechanics 1	I	I	I	
	AE 115	Linear Algebra	I	I	I	
	CHE 102	Chemistry for Engineers	I	I	I	
	MATH 116	Calculus 1 for Engineering	I	I	I	
1B	AE 105	Mechanics 2	I	I	D	
	AE 121	Computational Methods	D	I		
	AE 123	Electrical Circuits and Instrumentation	I	I	I	
	AE 125	Structural Design Studio		I	I	
	MATH 118	Calculus 2 for Engineering	D	I		
2A	AE 200	Enclosure Design Studio				
	AE 204	Solid Mechanics 1		D		
	AE 221	Advanced Calculus	D		I	
	AE 224	Probability and Statistics	D	I	D	
	AE 280	Fluid Mechanics and Thermal Sciences	I	D	I	
	ENGL 191	Communication in the Engineering Profession				
2B	AE 205	Solid Mechanics 2		D	D	
	AE 223	Differential Equations and Balance Laws	D		I	
	AE 225	Environmental Building Systems Studio				
	AE 265	Structure and Properties of Materials		D	D	
	CSE 3 or TE1	Complementary Studies Elective or Technical Elective				
	WKRPT 200	Work-term Report				
3A	AE 279	Energy and the Environment	D	D	D	
	AE 300	Architectural Engineering Studio 1				
	AE 303	Structural Analysis	A	D	D	
	AE 353	Soil Mechanics and Foundations	D	D	I	
	AE 377	Structural Timber Design	A	A		
	WKRPT 300	Work-term Report				
3B	AE 310	Introduction to Structural Design	A	D	D	
	AE 325	Architectural Engineering Studio 2				
	AE 392	Economics and Life Cycle Analysis		A	A	
	CIVE 507	Building Science and Technology	A	A	A	
	CSE 3 or TE 1	Complementary Studies Elective or Technical Elective				
	WKRPT 400	Work-term Report				
4A	AE 400	Project Studio 1		A	A	
	AE 491	Engineering Law and Ethics		A	A	
	TE 2	Technical Elective				
	TE 3	Technical Elective				
	TE 4	Technical Elective				
4B	AE 425	Project Studio 2				
	CSE 6	Complementary Studies Elective				
	TE 5	Technical Elective				
	TE 6	Technical Elective				
	TE 7	Technical Elective				
	TE 8	Technical Elective				

