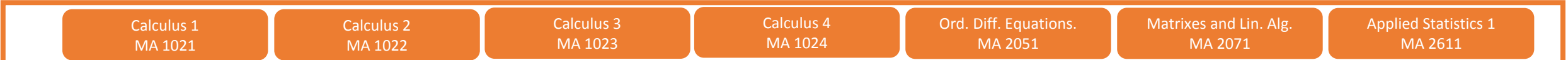
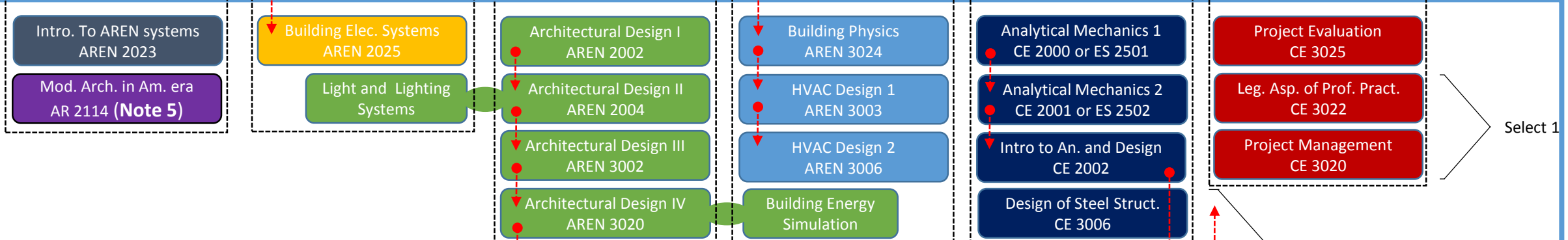
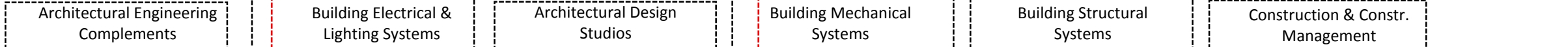


ARCHITECTURAL ENGINEERING PROGRAM CHART (Note 1,2)

This chart summarizes course recommendations (Note 3)



4 UNITS of Mathematics, Basic Science, and Supplemental Science



7 UNITS of Architectural Engineering Science and Design



Select 1

Select 2

4 UNITS additional Degree Requirements

Humanities and Arts	6/3 Units
Social Sciences	2/3 Units
IQP	3/3 Units
Physical Education	1/3 Units
Free Electives	(Note 7)

IQP **A** term

	A-term	B-term	C-term	D-term	
Year 1	Calculus 1 MA 1021	Calculus 2 MA 1022	Calculus 3 MA 1023	Calculus 4 MA 1024	
	H&A, SS, free elective	Mod. Arch. in Am. era AR 2114	H&A, SS, free elective	Intro to AREN AREN 2023	
	Mechanics PH 1110 or PH 1111	Elec. and Magnetism PH 1120 or PH 1121	Chem. Prop. Bonding, CH 1010	Thermodynamics PH 2101 or ES 3001	
		Physical education 1/12			
Year 2	Architectural Design I AREN 2002	Architectural Design II AREN 2004	Matrixes and Lin. Alg. MA 2071	Architectural Design III AREN 3002	
	Analytical Mechanics 1 CE 2000 (or ES 2501)	Analytical Mechanics 2 CE 2001 (or ES 2502)	Intro to An. and Design CE 2002	ID 2050	
	Ord. Diff. Equations. MA 2051	Fluid Mechanics ES 3004	Building Physics AREN 3024	HVAC Design 1 AREN 3003	
	Physical education 1/12		Physical education 1/12		
Year 3	IQP	H&A, SS, free elective	Architectural Design V AREN 3022	Co-op	Co-op (summer part)
	IQP	Design of Re. Con. Str. CE 3008	Design of Steel Struct. CE 3006	Co-op	
	IQP	HVAC Design 2 AREN 3006	H&A, SS, free elective	Co-op	
		Physical education 1/12			
Year 4	H&A, SS, free elective	H&A, SS, free elective	Applied Statistics MA 2611	Building Elec. Systems AREN 2025	
	Architectural Design IV AREN 3020	Project Evaluation CE 3025	H&A, SS, free elective	Leg. Asp. of Prof. Pract. CE 3022	
	MQP	MQP	MQP	H&A, SS, free elective	

IQP **B** term

	A-term	B-term	C-term	D-term
Year 1	Calculus 1 MA 1021	Calculus 2 MA 1022	Calculus 3 MA 1023	Calculus 4 MA 1024
	H&A, SS, free elective	Mod. Arch. in Am. era AR 2114	H&A, SS, free elective	Intro to AREN AREN 2023
	Mechanics PH 1110 or PH 1111	Elec. and Magnetism PH 1120 or PH 1121	Chem. Prop. Bonding, CH 1010	Thermodynamics PH 2101 or ES 3001
		Physical education 1/12		
Year 2	Architectural Design I AREN 2002	Architectural Design II AREN 2004	Matrixes and Lin. Alg. MA 2071	Architectural Design III AREN 3002
	Analytical Mechanics 1 CE 2000 (or ES 2501)	Analytical Mechanics 2 CE 2001 (or ES 2502)	Intro to An. and Design CE 2002	Structural Eng. CE 3044
	Ord. Diff. Equations. MA 2051	Fluid Mechanics ES 3004	Building Physics AREN 3024	HVAC Design 1 AREN 3003
	Physical education 1/12	Physical education 1/12		
Year 3	Architectural Design IV AREN 3020	IQP	Architectural Design V AREN 3022	Co-op
	ID 2050	IQP	Design of Steel Struct. CE 3006	Co-op
	H&A, SS, free elective	IQP	H&A, SS, free elective	Co-op
		Physical education 1/12		
Year 4	H&A, SS, free elective	HVAC Design 2 AREN 3006	Applied Statistics MA 2611	Building Elec. Systems AREN 2025
	H&A, SS, free elective	Project Evaluation CE 3025	H&A, SS, free elective	Leg. Asp. of Prof. Pract. CE 3022
	MQP	MQP	MQP	H&A, SS, free elective

Co-op (summer part)

IQP **C** term

	A-term	B-term	C-term	D-term	
Year 1	Calculus 1 MA 1021	Calculus 2 MA 1022	Calculus 3 MA 1023	Calculus 4 MA 1024	
	H&A, SS, free elective	Mod. Arch. in Am. era AR 2114	H&A, SS, free elective	Intro to AREN AREN 2023	
	Mechanics PH 1110 or PH 1111	Elec. and Magnetism PH 1120 or PH 1121	Chem. Prop. Bonding, CH 1010	Thermodynamics PH 2101 or ES 3001	
		Physical education 1/12			
Year 2	Architectural Design I AREN 2002	Architectural Design II AREN 2004	Matrixes and Lin. Alg. MA 2071	Architectural Design III AREN 3002	
	Analytical Mechanics 1 CE 2000 (or ES 2501)	Analytical Mechanics 2 CE 2001 (or ES 2502)	Intro to An. and Design CE 2002	Structural Eng. CE 3044	
	Ord. Diff. Equations. MA 2051	Fluid Mechanics ES 3004	Building Physics AREN 3024	HVAC Design 1 AREN 3003	
	Physical education 1/12		Physical education 1/12		
Year 3	Architectural Design IV AREN 3020	ID 2050	IQP	Co-op	Co-op (summer part)
	H&A, SS, free elective	Design of Re. Con. Str. CE 3008	IQP	Co-op	
	H&A, SS, free elective	HVAC Design 2 AREN 3006	IQP	Co-op	
			Physical education 1/12		
Year 4	H&A, SS, free elective	H&A, SS, free elective	Architectural Design V AREN 3022	Building Elec. Systems AREN 2025	
	H&A, SS, free elective	Project Evaluation CE 3025	Applied Statistics MA 2611	Leg. Asp. of Prof. Pract. CE 3022	
	MQP	MQP	MQP	H&A, SS, free elective	

IQP **D** term

	A-term	B-term	C-term	D-term	
Year 1	Calculus 1 MA 1021	Calculus 2 MA 1022	Calculus 3 MA 1023	Calculus 4 MA 1024	
	H&A, SS, free elective	Mod. Arch. in Am. era AR 2114	H&A, SS, free elective	Intro to AREN AREN 2023	
	Mechanics PH 1110 or PH 1111	Elec. and Magnetism PH 1120 or PH 1121	Chem. Prop. Bonding, CH 1010	Thermodynamics PH 2101 or ES 3001	
		Physical education 1/12			
Year 2	Architectural Design I AREN 2002	Architectural Design II AREN 2004	Matrixes and Lin. Alg. MA 2071	Architectural Design III AREN 3002	
	Analytical Mechanics 1 CE 2000 (or ES 2501)	Analytical Mechanics 2 CE 2001 (or ES 2502)	Intro to An. and Design CE 2002	H&A, SS, free elective	
	Ord. Diff. Equations. MA 2051	Fluid Mechanics ES 3004	Building Physics AREN 3024	HVAC Design 1 AREN 3003	
	Physical education 1/12		Physical education 1/12		
Year 3	Architectural Design IV AREN 3020	H&A, SS, free elective	Architectural Design V AREN 3022	IQP	Co-op (summer part)
	H&A, SS, free elective	Design of Re. Con. Str. CE 3008	Design of Steel Struct. CE 3006	IQP	
	H&A, SS, free elective	HVAC Design 2 AREN 3006	ID 2050	IQP	
			Physical education 1/12		
Year 4	Co-op	H&A, SS, free elective	Applied Statistics MA 2611	Building Elec. Systems AREN 2025	
	Co-op	Project Evaluation CE 3025	H&A, SS, free elective	Leg. Asp. of Prof. Pract. CE 3022	
	Co-op	MQP	MQP	MQP	