



Manufacturing & Construction Engineering Technology Department
Construction Engineering Technology Curriculum
 Bachelor of Science Degree – 260.481.4127 (or) magsamd@ipfw.edu

IMPORTANT: Graduates of this degree program are Technicians, not Architects or Engineers

STUDENT NAME: _____

STUDENT ID: _____

STATUS: Recommended Enrolled Completed

1 FALL	STATUS	GRADE	CREDITS	Courses		
			3	ARET 11000	Sketching for Technology and Design	
			3	ARET 12300	Digital Graphics for Built Environment I	Area 7
			3	ET 10600	Intro to Engineering Technology	
			3	ENG W131	Reading, Writing and Inquiry I	Area 1
			3	MA 15300	Algebra and Trigonometry I	Area 3
		15	Credits			

2 SPRING	STATUS	GRADE	CREDITS	Courses		
			3	ARET 12400	Architectural Engineering Construction I (P: ARET 12300 w/C-)	
			3	ARET 16700	Construction Systems and Materials	
			3	COM 11400	Fundamentals of Speech Communication	Area 2
			3	MA 15400	Algebra and Trigonometry II (P: MA 15300 w/C-)	
			4	PHYS 21800	General Physics I (P: MA 15300)	Area 4
		16	Credits			

3 FALL	STATUS	GRADE	CREDITS	Courses		
			3	ARET 28100	Environmental Equipment for Building I (P: ARET 12400 w/C-)	
			3	CET10400	Elementary Surveying (P: MA 15400 w/C-)	
			3	CNET 27600	Specs, Contracts and Codes	
			3	ENG W234	Technical Report Writing (P: ENG W131 w/C)	Area 1
			3	ET 19000	Statics (P: MA 15400 or MA 15900 w/C-)	
		15	Credits			

4 SPRING	STATUS	GRADE	CREDITS	Courses		
			3	ARET 21000	Architecture and Urban Form	Area 7
			3	ARET 22300	Digital Graphics for the Built Environment II (P: ARET 12400 w/C-)	Area 7
			3	CET 26600	Materials Testing (C: ET 20000)	
			3	ET 20000	Strength of Materials (P: ET 19000 w/C-)	
			4	MA 22700	Calculus for Technology I (P: MA 15400 or MA 15900 w/C-)	Area 3
		16	Credits			

5 FALL	STATUS	GRADE	CREDITS	Courses			
			3	ARET 22200	Architectural Engineering Construction II(P: ARET 12400 w/C-)		
			3	CET 20600	Construction Surveying (P: CET 10400 w/C-, ARET 12300 w/C-)		
			3	CET 38100	Structural Analysis (P: ET 20000 w/C-, MA 22700 w/C-)		
			3	CNET 28000	Quantity Estimating (P: CNET 27600 w/C-, MA 15300 w/C-)		
			3	IET 35000	Engineering Economy (P: MA 15400 or MA 15900)		Area 3
15			Credits				

6 SPRING	STATUS	GRADE	CREDITS	Courses			
			3	CET 25300	Hydraulics and Drainage (P: ET 19000 w/C-)		
			3	CNET 44200	Cost Estimating (P: IET 35000 w/C-, CNET 28000 w/C-)		
			3	CNET 44500	Construction Project Management I (C: CNET 44200)		
			3	CNET 45700	Construction Safety (P: CNET 27600 w/C-)		
			3		Technical Elective		
15			Credits				

7 FALL	STATUS	GRADE	CREDITS	Courses			
			3	ARET 32400	Sustainable Construction (P: CNET 44500 w/C-)		
			3	CET 43100	Properties and Behaviors of Soils (P: CET 26600 w/C-, ET 20000 w/C-)		
			3	CNET 34400	Constructed Project Quality I (P: CNET 27600 w/C-)		
			3	CNET 44300	Engineered Construction (P: CET 38100 w/C-)		
			3		Technical Elective		
15			Credits				

8 SPRING	STATUS	GRADE	CREDITS	Courses			
			4	CNET 44900	Senior Design (P: Senior class standing. Must be in CNTB program/CNET major)		
			3	ENG W421	Technical Writing Projects (Junior or Senior Standing and P: ENG W23400)		Area 8
			3	OLS 25200	Human Relations in Organizations		Area 5
			3		General Education Course		Area 6
13			Credits				

Approved Technical Electives	
ARET 31000 Architectural and Urban Form in the Modern World	CET 40900 Property Surveying
ARET 32100 Architectural Presentation Techniques I	CET 45300 Water and Waste-Water Technology
ARET 35400 Principles of Land Use	CET 48200 Steel Structure Design
ARET 35500 Techniques of Land Utilization	CET 48400 Wood Timber and Formwork
CET 10800 Route Surveying	CNET 44100 Construction Operations
CET 20900 Land Surveying and Subdivision	CNET 45400 Construction Legal Aspects
CET 38500 Fundamentals of Reinforced Concrete	CNET 45500 Company Management
Any 300 or 400 level course with approval of advisor	