

CAMPUS: Terry
DEPARTMENT: Architectural Engineering

Name: _____
SSN: _____
Academic Advisor: _____
Matriculation date: _____

[] No pre-tech requirements [] MAT 005
[] ENG 005 [] RDG 005 [] MAT 012
[] ESL [] ENG 051 [] RDG 051 [] MAT 015
[] RDG 120 [] MAT 075

RDG 120, Critical Reading and Thinking, will be a required course unless the student attains a specific minimum score on the College Placement Test.

Curriculum: Architectural Engineering Technology
Effective: Fall 1998 (99-1)

Curriculum Code Designation: AETAASAET

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		G R A D E	PREREQUISITES	COREQUISITES
				Offered	Completed			
FIRST SEMESTER – FALL								
AET 125 Architectural Drafting/Design	2	5	4	Fal, Spr			ENG 051, RDG 051, MAT 012 OR required scores on CPT	
AET 135 Construction, Materials & Methods	4	0	4	Fal			ENG 051, RDG 051 OR required scores on CPT	
Elective Social Science/Humanities	3	0	3	Fal, Spr			As required	
ENG 121 Composition	3	0	3	Fal, Spr			Required score on CPT OR ENG 051 OR NCS 051 OR ESL 100 AND required scores on CPT OR RDG 051 OR ESL 100	
MAT 181 Algebra & Trig I	4	0	4	Fal, Spr, Sum			MAT 015 OR MAT 141 OR required math scores on CPT	
*RDG 120 Critical Reading & Thinking	(3)	(0)	(3)				Required score on CPT OR RDG 051 OR ESL 100 AND test score OR NCW 091 OR ENG 051 OR NCS 051 OR ESL 100 OR ENG 121 OR ENG 125	
TOTAL	16- (19)	5	18- (21)					
SECOND SEMESTER – SPRING								
AET 150 Engineering Construction Drafting	2	4	3	Spr			AET 125, RDG 120	
AET 234 Cost Estimating & Planning	3	0	3	Spr			AET 125 OR CET 125, and AET 135	
EDD 171 Introduction to CAD Using AutoCAD	2	2	3	Fal			AET 123 OR AET 125 OR CET 125 OR EDD 141 OR FET 120	
ENG 122 Tech Writing & Comm OR ENG 124 Oral Communications	3	0	3	Fal, Spr, Sum			Required score on CPT OR ENG 121 OR ENG 125 AND required score OR RDG 120	
MAT 182 Algebra & Trig II	4	0	4	Fal, Spr			MAT 181	
TOTAL	14	6	16					
THIRD SEMESTER – FALL								
AET 236 Building Service Systems	3	2	4	Fal			AET 125, AET 135, MAT 181	
AET 250 Structural Drafting & Design	2	5	4	Fal			AET 150	
Elective Science/Technical Elective	2-3	2-3	3-4				As required	
Elective Science/Technical Elective	2-3	2-3	3-4				As required	
EDD 271 Advanced CAD Using AutoCAD	2	2	3	Fal, Spr			EDD 171	
Elective Social Science/Humanities	3	0	3	Fal, Spr			As required	
TOTAL	14- (16)	11- (15)	20- (22)					
FOURTH SEMESTER – SPRING								
AET 232 Contracts & Specifications	3	0	3	Spr			AET 135, ENG 121, RDG 120	
AET 270 Architectural Design Studio	2	5	4	Spr			AET 170 OR AET 250 OR AET 261	
CET 256 Statics & Strengths of Materials	4	2	5	Spr			MAT 181, RDG 120	
Elective Science/Technical Elective	2-3	2-3	3-4	Spr			As required	
Elective Science/Technical Elective	2-3	2-3	3-4				As required	
Elective Science/Technical Elective	2-3	2-3	3-4				As required	
TOTAL	15- 18	13- 16	21- 24					
GRAND TOTAL	59- 67	35- 42	75- 83					

COURSE NUMBER AND TITLE	CL	L	CR	SEMESTER		GRADE	PREREQUISITES	COREQUISITES
				Offered	Completed			

APPROVED ELECTIVES

SCIENCE/TECHNICAL ELECTIVES

AET 123 Drafting/Design	3	3	4	Fal, Spr			RDG 051, ESL 100, RDG 120 OR required scores on CPT OR ENG 051, NCS 051, ESL 100, ENG 121, ENG 125 and required test scores on CPT OR MAT 012, NCS 012 or MAT 015, MAT 016, NCS 045, MAT 181	
AET 170 Graphics for Arch Design	3	3	4	Fal			AET 125	
AET 241 Advanced Arch Construction Documentation	3	3	4	Spr			AET 125, AET 135, AET 150, EDD 271	
CET 144 Surveying Principles OR CET 146 Surveying	3 2	3 3	4 3	Spr			<u>MAT 181 and Test score OR RDG 120</u> MAT 015, MAT 016, NCW 045, MAT 181 and required test scores on CPT OR RDG 120	
CET 271 Structural Design I	3	3	4				CET 256, PHY 171	
CIS 107 Intro to Computers/Application	2	2	3	Spr, Fal, Sum			REG 051, ESL 100, RDG 120 or Test score	
EDD 272 Intro to 3-D Cad	2	2	3	Fal, Spr			EDD 271	
IET 150 Computer Applications	2	2	3	Fal, Spr			MAT 012, NCS 012, MAT 075, MAT 153, MAT 181, MAT 185 or Test score	
PHY 171 Physics I	3	2	4	Fal, Spr			MAT 181	
PHY 205 General Physics I	3	2	4	Fal, Spr			MAT 181 or MAT 185	

SOCIAL SCIENCE/HUMANITIES ELECTIVES

COM 111 Human Communications	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
ECO 111 Macroeconomics	3	0	3	Fal, Spr, Sum			ENG 051, NCS 051, ESL 100, ENG 121, ENG 125 OR required scores on CPT OR RDG 051, ESL 100, RDG 120, MAT 012 NCS 012	
ECO 122 Microeconomics	3	0	3	Fal, Spr, Sum			ENG 051, NCS 051, ESL 100, ENG 121, ENG 125 OR required scores on CPT OR RDG 051, ESL 100, RDG 120, MAT 012 NCS 012	
HIS 111 U.S. History: Pre-Civil War	3	0	3	Fal, Spr, Sum			ENG 051, NCS 051, ESL 100, ENG 121, ENG 125 OR required scores on CPT OR RDG 051, ESL 100, RDG 120	
HIS 112 U.S. History: Post-Civil War	3	0	3	Fal, Spr, Sum			ENG 051, NCS 051, ESL 100, ENG 121, ENG 125 OR required scores on CPT OR RDG 051, ESL 100, RDG 120	
POL 111 Political Science	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
PSY 100 Human Relations	3	0	3	Fal, Spr, Sum			RDG 005, RDG 051, ESL 100, RDG 120 OR required scores on CPT	
PSY 121 General Psychology	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
SOC 111 Sociology I	3	0	3	Fal, Spr, Sum			ENG 051, RDG 051 OR required scores on CPT	
VSC 131 Art History I	3	0	3	Spr, Fal			RDG 051 OR required scores on CPT	
VSC 132 Art History II	3	0	3	Spr, Fal			RDG 051 OR required scores on CPT	

Course substitutions may be permitted with departmental approval

For students who meet the prerequisites,

Date _____

**Advisory Statement
Program Complete at DT&CC**

I am aware that Delaware Technical & Community College is an open admissions institution with degree, diploma, and certificate programs that require participation in courses, internships, practicums and clinical assignments. These activities may require one or more medical and/or background screenings as a condition of enrollment. The admissions requirements for courses and/or program activities may include but not be limited to:

- immunizations and physical examinations,
- criminal history checks that may include a review of the adult abuse and child protection registries,
- drug screenings,
- and other licensing requirements

As a student, I further understand that I may be responsible for all arrangements and costs associated with these requirements. It is my responsibility to inquire about conditions and acceptance into courses and programs that may have special requirements. I am aware that I may seek the assistance of my counselor or technical advisor in identifying conditions of enrollment in all programs and courses at Delaware Tech.

Employment After DT&CC

I am also aware that conditions of employment are established by potential employers and not by Delaware Technical & Community College and such conditions of employment may include or exceed any or all of the above requirements.

RP/pw/2001-2/AET/AET checkoff (6-19-01); (6-22-01); (4-28-05); (7-22-05)
Revised LL/tp/2006-3 (12-09-05);(3-16-06); (11-22-06)