

DRAFTING

The Computer Drafting (Architectural) program at St. Philip's College is tailored to provide the skills necessary to create construction drawings for use by the architectural, engineering, interior design and building management fields. Graduates of the program will be able to read and prepare the drawings used in the design and construction of residential and commercial buildings. Graduates will be ready to enter the field as an entry level Computer Computer Aided Drafting technician and will possess the critical skills necessary to advancement in these careers.

Graduates of the program can receive either the Associate of Applied Science Degree or a Certificate of Completion.

COMPUTER AIDED DRAFTING (ARCHITECTURAL) AND INTERIOR DESIGN

Computer Aided Drafting (Architectural)	Interior Design
Computer Aided Drafting Technician (Architectural)	Interior Design Assistant

COMPUTER AIDED DRAFTING (ARCHITECTURAL)

Students entering a Drafting program should have the following traits in order to complete successfully the degree or certificate requirements:

1. Be able to read at tenth grade vocabulary and comprehension level.
2. Be able to distinguish colors.
3. Be able to work (standing or seated) at or over a drafting station for extended periods of time.
4. Be able to discern visibly fine details on drawings and related items.

A Certificate of Completion may be awarded to an individual upon successful completion of all required certificate Drafting courses.

ASSOCIATE OF APPLIED SCIENCE COMPUTER AIDED DRAFTING (ARCHITECTURAL) (2717)

TOTAL CREDIT HOURS REQUIRED: 64

	Major	Gen. Educ.	Elective
YEAR 1			
First Semester			
DFTG 1409 Basic Computer Aided Drafting -----	4		
DFTG 1417 Architectural Drafting Residential -----	4		
ARCE 1421 Architectural Illustration -----	4		
Humanities or Fine Arts: (SPCH 1321 or See Note 1) -----			3
Second Semester			
ARCE 1303 Methods & Methods Construction -----	3		
ARCE 1452 Structural Drafting -----	4		
DFTG 2419 Intermediate Computer Aided Drafting -----	4		
Natural Science or Mathematics: (PHYS 1305 or See Note 2) -----			3
Summer Session			
Free Elective -----			3

Section 8. Academic Programs 171

	Major	Gen. Educ.	Elective
YEAR2			
First Semester			
DFTG 2428 Architectural Drafting Commercial -----			4
DFTG 2432 Advanced Computer Aided Drafting -----			4
DFTG 2400 Intermediate Architectural Drafting - Residential -----			4
Social Science or Behavioral Sciences: (GOVT 2301 or See Note 3) -----			3
Second Semester			
DFTG 1315 Architectural Blue Print Reading/ Construction Estimating -----			3
DFTG 2438 Final Project - Architectural Drafting -----			4
DFTG 2466 Practicum -----			4
Communications (ENGL1301 or See Note 4) -----			3
Computations (MATH 1373 or See Note 5) -----			3
TOTAL CREDIT HOURS: -----	46	15	3

Note: General Academic Core Requirements for Associates of Applied Science Degree-Courses may be substituted to meet transfer requirements or for prior academic work: 15 semester hours

- 1. Humanities/Fine Arts:** Speech 1321, English 1302, Philosophy 2303, History 2311 or 2312, Humanities 1301 or 1302, Drama 1300 - 2499, Arts 1301, Music 1300 - 2499
- 2. Natural Science:** Biology 1400 -2499, Chemistry 1300 - 2499, Physics 1300 - 2499, College Math 1314 - 2499
- 3. Social/Behavioral Science:** Sociology 1301 - 2336, Government 2301 - 2306, Urban Studies 1300- 2499, Geography 1300-2499, Economics 2301 - 2499, History 1301 or 1302, Psychology 2301-2499
- 4. Communications:** English 1301-1302, Speech 1311 - 2341, Foreign Language 1411- 2316, Reading 1370
- 5. Mathematics:** Math 1314 - 2499, Chemistry 1300 - 2499, Physics 1300 - 2499, Computer Science 1315- 2318

**CERTIFICATE OF COMPLETION
COMPUTER AIDED DRAFTING
TECHNICIAN (ARCHITECTURAL) (2662)**

TOTAL CREDIT HOURS REQUIRED: 28

	Major	Gen. Educ.	Elective
First Semester			
DFTG 1409 Basic Computer Aided Drafting -----			4
DFTG 1417 Architectural Drafting Residential -----			4
ARCE 1421 Architectural Illustration -----			4
Second Semester			
ARCE 1303 Methods & Methods Construction -----			4
ARCE 1452 Structural Drafting -----			4
DFTG 2419 Intermediate Computer Aided Drafting -----			4
Summer Session			
DFTG 2438 Final Project - Architectural Drafting -----			4
TOTAL CREDIT HOURS: -----	28		

ENHANCED SKILLS CERTIFICATE
*ARCHITECTURAL DRAFTING 3D (2902)

TOTAL CREDIT HOURS REQUIRED: 8

Major	Gen. Educ.	Elective
-------	---------------	----------

First Semester

DFTG 2437	Advanced Technical Animation & Rendering -----	4
DFTG 2440	Solid Modeling/Design -----	4

TOTAL CREDIT HOURS: ----- 8

*Does not qualify for VA benefits

MARKETABLE SKILLS CERTIFICATE
*ARCHITECTURAL DRAFTING (2908)

TOTAL CREDIT HOURS REQUIRED: 16

Major	Gen. Educ.	Elective
-------	---------------	----------

First Semester

DFTG 1409	Basic Computer Aided Drafting -----	4
DFTG 1417	Architectural Drafting Residential -----	4
ARCE 1421	Architectural Illustration -----	4
ARCE 1415	Materials, Methods & Construction -----	4

TOTAL CREDIT HOURS: ----- 16

*Does not qualify for VA benefits