

PITTSBURGH TECHNICAL COLLEGE

**COMPUTER AIDED DRAFTING CONCERTATION IN ARCHITECTURAL ENGINEERING  
TECHNOLOGY**

PROGRAM LENGTH – 18 MONTHS  
CREDENTIAL: ASSOCIATE OF SCIENCE DEGREE  
CREDITS: 94 (1380 INSTRUCTIONAL HOURS)

PENN COMMERCIAL BUSINESS/TECHNICAL SCHOOL

**COMPUTER AIDED DRAFTING AND DESIGN**

PROGRAM LENGTH – 18 MONTHS  
CREDENTIAL: ASSOCIATE IN SPECIALIZED TECHNOLOGY DEGREE  
CREDITS: 110.5 (1850 INSTRUCTIONAL HOURS)

**TEACH OUT PLAN**

**PENN COMMERCIAL BUSINESS/TECHNICAL SCHOOL CURRICULUM**

<b>COURSE #</b>	<b>COURSE NAME</b>	<b>INSTRUCTIONAL HOURS</b>	<b>QUARTER CREDITS</b>
<b><i>Core Courses - Students must earn a grade of C or better to pass</i></b>			
CAD101	Technical Drafting	90	6.0
CAD102	Basis Computer Aided Drafting	105	6.0
CAD103	Electro-Mechanical Drafting	90	6.0
CAD104	Machine Drafting	90	6.0
CAD115	Architectural Drafting – Residential	100	6.0
CAD117	3-D Geometric Dimensioning and Tolerancing	85	5.0
CAD202	Intermediate Computer Aided Drafting	115	6.5
CAD204	Civil Engineering Drafting	90	6.0
CAD205	Structural Drafting	90	6.0
CAD206	Pipe Drafting	90	6.0
CAD212	Final Project – Advanced Computer Aided Drafting	115	6.5
CAD215	Drafting and Design Externship	360	12.0
CAD223	Introduction to Geographical Information Systems (GIS)	90	6.5
	<b>Total</b>	<b>1510</b>	<b>84.5</b>
<b><i>General Education Courses</i></b>			
BA110	Ethics in the Workplace	50	4.0
CT104	Introduction to Word Processing	50	3.0
EC103	Technical Communication	50	3.0
MA102	Technical Math I	50	4.0
MA103	Technical Math II	50	4.0
MA104	Technical Math III	50	4.0
PD100	Student Success	10	1.0
PD101	Professional Development I	10	1.0
PD102	Professional Development II	20	2.0
	<b>Total</b>	<b>340</b>	<b>26.0</b>

**PTC CURRICULUM**

<b>PROGRAM REQUIREMENTS</b>		<b>Credits</b>		
CAD104	Engineering Graphics	3	<b>TRANSFERRABLE</b> CAD101 Technical Drafting	6
CAD114	AutoCAD	3	<b>TRANSFERRABLE</b> CAD102 Basic Computer Aided Drafting CAD202 Intermediate Computer Aided Drafting	6 6.5
CAD154	Industrial Pipe Design	4	<b>TRANSFERRABLE</b> CAD206 Pipe Drafting	6
CAD219 CAD261	Structural Drafting Statics & Strengths of Materials	3 3	<b>TRANSFERABLE</b> CAD205 Structural Drafting Note: CAD261 includes content within both CAD205 Structural Drafting and MA104 Technical Math III	6
AET101	MicroStation	3	<b>NON TRANSFERABLE</b>	N/A
AET121 AET131	Architectural Drafting I Architectural Application Software I	3 3	<b>TRANSFERABLE</b> CAD115 Architectural Drafting – Residential	6
AET201 AET141	Architectural Application Software 2 Building and Line Safety Systems	4 4	<b>TRANSFERABLE</b> CAD103 Electro-Mechanical Drafting	6
AET161	Materials and Construction Methods	3	<b>NON TRANSFERABLE</b>	N/A
AET171 AET181	Civil/Topographical Drafting Civil Application Software	3 3	<b>TRANSFERABLE</b> CAD204 Civil Engineering Drafting 6/90)	6
AET301	Architectural Capstone	5	<b>POSSIBLE TRANSFER</b> This course is comparable to CAD212 Final Project – Advanced CAD however, there is, not only, a credit difference but 55 instructional hour difference between these two courses. In order to consider this course for transfer, PTC students can present graded projects from AET301 in addition to any other graded projects for courses that are considered nontransferable for evaluation. A portfolio of drawings will be reviewed by PC’s Lead CADD Instructor to determine if content is transferrable on a case by case basis.	6.5
<b>CAREER READINESS REQUIREMENTS</b>		<b>Credits/Hours</b>		
GSD005	Steps to Career Success 1	1	<b>TRANSFERABLE</b> PD100 Student Success	1 1

			PD101 Professional Development I	
GSD180	Career Development	2	<b>NON TRANSFERABLE</b>	N/A
GSI199	Internship	12	No PTC student included in the teach out agreement is currently taking this course	N/A

<b>GENERAL EDUCATION REQUIREMENTS</b>		<b>Credits</b>		
GEE101	English Composition 1	4	<b>TRANSFERABLE</b> EC103 Technical Communication	3
GEE151	English Composition 2	4	<b>POSSIBLE TRANSFER</b> Awaiting approval from ACCSC to determine if general education courses from PTC that do not align with Penn Commercial's general education program requirements will be accepted for transfer. Penn Commercial requires 26 total general education credits.	TBD
GEE212	Effective Speech	4	<b>POSSIBLE TRANSFER</b> Awaiting approval from ACCSC to determine if general education courses from PTC that do not align with Penn Commercial's general education program requirements will be accepted for transfer. Penn Commercial requires 26 total general education credits.	TBD
GEM121	College Mathematics	4	<b>TRANSFERABLE</b> MA 102 Technical Math I	4
GEM166	College Algebra	4	<b>TRANSFERABLE</b> MA103 Technical Math II	4
GEM206	Personal Finance	4	<b>POSSIBLE TRANSFER</b> Awaiting approval from ACCSC to determine if general education courses from PTC that do not align with Penn Commercial's general education program requirements will be accepted for transfer. Penn Commercial requires 26 total general education credits.	TBD
GES151	Critical Thinking	4	<b>POSSIBLE TRANSFER</b> Awaiting approval from ACCSC to determine if general education courses from PTC that do not align with Penn Commercial's general education program requirements will be accepted for transfer. Penn Commercial requires 26 total general education credits.	TBD

GES252	Leadership Principles	4	<b>POSSIBLE TRANSFER</b> Awaiting approval from ACCSC to determine if general education courses from PTC that do not align with Penn Commercial's general education program requirements will be accepted for transfer. Penn Commercial requires 26 total general education credits.	TBD
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**GENERAL EDUCATION COURSES AVAILABLE FOR TEST OUT AT NO COST TO PTC APPLICANTS:**

- CT104 Introduction to Word Processing

The \$75/credit fee for test outs will be waived for students that fall under this teach out plan. If a student passes the test out, this will be reflected on the transcript. If a student fails the test out, they will be required to enroll in the course and will be charged tuition and fees.

**OTHER ITEMS TO CONSIDER:**

- The above chart is for reference; however, each transcript will need evaluated to determine final transfer hours
- Our quarters are 12 weeks in length
- Transfer student's computer/laptop, software, and text books will need to be evaluated. If a transfer student enrolls in Penn Commercial's program and does not have the corresponding textbooks/software/computer, these charges will be reflected on the FA spreadsheet
- Based on the above transfer credit reference, a student may be scheduled on a part time basis, following our quarterly sequencing
- Students should be informed that not all of their earned credits, grades and/or hours will be accepted for transfer
- There may be additional items for consideration that may arise in the future and will be communicated with PTC administration if this should occur