

# Computer Aided Design Technology Courses and Booklist

## 1ST TRIMESTER CERTIFICATE: ASSISTANT DRAFTER

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD1010 Orientation & Safety	None	\$0.00	
CAD1020 Tech Foundations	None	\$0.00	
CAD1030 Drawing Techniques	Drafting Kit	\$108.00	
	Headphones or Earbuds	\$5.00	
	Bundle: Engineering Drawing and Design, Loose-leaf Version, 6th Edition with MindTap; 4 terms (24 months) Printed Access Card; Cengage; ISBN: 9780357010044	\$125.00	
	2" or 3" Binder NOT IN BOOKSTORE		
	Lead Holder	\$11.00	
CAD1040 CAD	Flash Drive	\$6.00	
	SolidProfessor 2 Year Subscription	\$100.00	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk AutoCAD</i>	\$72.82	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk Inventor</i>	\$72.82	
<b>Trimester 1: 432 Contact Hours</b>	<b>Trimester 1 Books and Supplies Total</b>	<b>(With Optional Exams)</b>	<b>\$500.64</b>

## 2ND TRIMESTER CERTIFICATE: DETAIL DRAFTER

<b>No Additional Books or Supplies</b>	Course Numbers: CAD2010 Technical Drawing; CAD2020 Additive Manufacturing	\$0.00	
<b>Trimester 2: 432 Hours (864 Total Contact Hours)</b>	<b>Trimester 2 Tests, Books and Supplies Total</b>		<b>\$0.00</b>

## 3RD TRIMESTER SPECIALIZATION: DRAFTING & CAD TECHNICIAN DIPLOMA

<b>No Additional Books or Supplies</b>	Course Numbers: CAD3011 Drafting Applications 1; CAD3020 Working Drawings	\$0.00	
<b>Trimester 3: 432 Hours (1296 Total Contact Hours)</b>	<b>Trimester 3 Tests, Books and Supplies Total</b>		<b>\$0.00</b>

## 4TH TRIMESTER SPECIALIZATION: DRAFTING & CAD TECHNICIAN DIPLOMA

<b>No Additional Books or Supplies</b>	Course Numbers: CAD4010 Solid Modeling; CAD4015 Drafting Applications 2; CAD4050 Professional Development	\$0.00	
<b>Trimester 4: 432 Hours (1728 Total Contact Hours)</b>	<b>Trimester 4 Tests, Books and Supplies Total</b>		<b>\$0.00</b>

## 3rd TRIMESTER ELECTIVE SPECIALIZATION: MECHANICAL DRAFTER DIPLOMA

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3050 Mechanical Design I	None (Use SolidProfessor)		
	<i>Optional Exam Certified SOLIDWORKS Associate - Academic</i>	\$99.00	
<b>Trimester 3: 432 Hours (1296 Total Contact Hours)</b>	<b>Trimester 3 Tests, Books and Supplies Total</b>		<b>(With Optional Exam) \$99.00</b>

## 4th TRIMESTER ELECTIVE SPECIALIZATION: MECHANICAL DRAFTER DIPLOMA

<b>No Additional Books or Supplies</b>	CAD0004 Worker Characteristics; CAD4080 Mechanical Design II; CAD4050 Professional Development	\$0.00	
<b>Trimester 4: 432 Hours (1728 Total Contact Hours)</b>	<b>Trimester 4 Tests, Books and Supplies Total</b>		<b>\$0.00</b>

**3rd TRIMESTER ELECTIVE SPECIALIZATION: ARCHITECTURAL DRAFTER DIPLOMA**

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3030 Residential Architecture I	Architecture Residential Drafting & Design 13th E.; GW; 9781649259738	\$155.00	
	Building Construction: Principles, Materials, & Systems; Pearson;	\$186.00	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk Revit</i>	\$72.82	
<b>Trimester 3: 432 Hours (1296 Total Contact Hours)</b>	<b>Trimester 3 Tests, Books and Supplies Total (With Optional Exam)</b>	<b>\$413.82</b>	

**4th TRIMESTER ELECTIVE SPECIALIZATION: ARCHITECTURAL DRAFTER DIPLOMA**

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD4060 Residential Architecture II	2 Story Townhouse Kit #105 - MID552; AC Supply	\$150.00	
CAD4050 Professional Development	None	\$0.00	
<b>Trimester 4: 432 Hours (1728 Total Contact Hours)</b>	<b>Trimester 4 Tests, Books and Supplies Total</b>	<b>\$150.00</b>	

**3rd TRIMESTER ELECTIVE SPECIALIZATION: CIVIL DRAFTER DIPLOMA**

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3040 Civil Design I	Civil Drafting Technology 8th Ed.; Pearson; ISBN: 978-0134436043	\$90.00	
	Structural, Civil and Pipe Drafting, 2nd Edition; Cengage; ISBN:	\$250.00	
<b>Trimester 3: 432 Hours (1296 Total Contact Hours)</b>	<b>Trimester 3 Tests, Books and Supplies Total</b>	<b>\$340.00</b>	

**4th TRIMESTER ELECTIVE SPECIALIZATION: CIVIL DRAFTER DIPLOMA**

<b>No Additional Books or Supplies</b>	CAD0004 Worker Characteristics; CAD4070 Civil Design II; CAD4050 Professional Development	\$0.00	
<b>Trimester 4: 432 Hours (1728 Total Contact Hours)</b>	<b>Trimester 4 Tests, Books and Supplies Total</b>	<b>\$0.00</b>	

**3rd TRIMESTER ELECTIVE SPECIALIZATION: STRUCTURAL DRAFTER DIPLOMA**

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3060 Structural Design I	Structural Steel D & D 2nd Ed.; Cengage; ISBN: 978-1401890322	\$204.00	
	Commercial Drafting & Detailing 4th Ed.; Cengage; ISBN: 9781285097398	\$191.50	
<b>Trimester 3: 432 Hours (1296 Total Contact Hours)</b>	<b>Trimester 3 Tests, Books and Supplies Total</b>	<b>\$395.50</b>	

**4th TRIMESTER ELECTIVE SPECIALIZATION: STRUCTURAL DRAFTER DIPLOMA**

<b>No Additional Books or Supplies</b>	CAD0004 Worker Characteristics; CAD4090 Structural Design II; CAD4050 Professional Development	\$0.00	
<b>Trimester 4: 432 Hours (1728 Total Contact Hours)</b>	<b>Trimester 4 Tests, Books and Supplies Total</b>	<b>\$0.00</b>	

	Books, Supplies, and Tests	Tuition & Fees	Trimesters to complete	Trimester Cost	Completion of Certificate or Diploma Total
Trimester 1 Assistant Drafter Certificate	\$500.64	\$1,440.00	1	\$1,940.64	\$1,940.64
Trimester 2 Detail Drafter Certificate	\$0.00	\$1,440.00	2	\$1,440.00	\$3,380.64
Tri. 3 & 4 Drafting & CAD Technician Diploma	\$0.00	\$1,440.00	4	\$1,440.00	\$6,260.64
Tri. 3 & 4 Mechanical Drafter Diploma	\$99.00	\$1,440.00	4	\$1,539.00	\$6,359.64
Tri. 3 & 4 Architectural Drafter Diploma	\$563.82	\$1,440.00	4	\$2,003.82	\$6,824.46
Tri. 3 & 4 Civil Drafter Diploma	\$340.00	\$1,440.00	4	\$1,780.00	\$6,600.64
Tri. 3 & 4 Structural Drafter Diploma	\$395.50	\$1,440.00	4	\$1,835.50	\$6,656.14