

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	
	AutoCAD 2025 Tutorial First Level 2D Fundamentals; SDC; ISBN: 978-1-63057-655-4	\$56.00	
	Parametric Modeling with Autodesk Inventor 2025; SDC; ISBN: 978-1-63057-658-5	\$56.00	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk AutoCAD</i>	\$72.82	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk Inventor</i>	\$72.82	
Trimester 1:	Trimester 1 Tests, Books and Supplies Total	\$512.64	

2ND TRIMESTER CERTIFICATE: DETAIL DRAFTER

No Additional Books or Supplies	Course Numbers: CAD2010 Technical Drawing; CAD2020 Additive Manufacturing	\$0.00	
Trimester 2: 432 Hours	Trimester 2 Books and Supplies Total	\$0.00	

3RD TRIMESTER SPECIALIZATION: DRAFTING & CAD TECHNICIAN DIPLOMA

No Additional Books or Supplies	Course Numbers: CAD3011 Drafting Applications 1; CAD3020 Working Drawings	\$0.00	
Trimester 3: 432 Hours	Trimester 3 Books and Supplies Total	\$0.00	

4TH TRIMESTER SPECIALIZATION: DRAFTING & CAD TECHNICIAN DIPLOMA

No Additional Books or Supplies	Course Numbers: CAD4010 Solid Modeling; CAD4015 Drafting Applications 2; CAD4050 Professional Development	\$0.00	
Trimester 4: 432 Hours	Trimester 4 Books and Supplies Total	\$0.00	

3rd TRIMESTER ELECTIVE SPECIALIZATION: MECHANICAL DRAFTER DIPLOMA

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3050 Mechanical Design I	Beginner's Guide to SOLIDWORKS 2024 - Level I; SDC; ISBN: 978-1-63057-628-8	\$56.00	
	Beginner's Guide to SOLIDWORKS 2024 - Level II; SDC; ISBN: 978-1-63057-636-3	\$56.00	
	<i>Optional Exam Certified SOLIDWORKS Associate - Academic</i>	\$99.00	
Trimester 3: 432 Hours	Trimester 3 Tests, Books and Supplies Total	\$211.00	

4th TRIMESTER ELECTIVE SPECIALIZATION: MECHANICAL DRAFTER DIPLOMA

No Additional Books or Supplies	CAD0004 Worker Characteristics; CAD4080 Mechanical Design II; CAD4050 Professional Development	\$0.00	
Trimester 4: 432 Hours	Trimester 4 Books and Supplies Total	\$0.00	

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	
	Residential Design Using Autodesk Revit 2025; SDC; ISBN: 978-1-63057-659-2	\$56.00	
	Building Construction: Principles, Materials, & Systems; Pearson;	\$186.00	
	<i>Optional Exam - Autodesk Certified User (ACU): AutoDesk Revit</i>	\$72.82	
Trimester 3: 432 Hours	Trimester 3 Tests, Books and Supplies Total	\$469.82	

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	
Trimester 4: 432 Hours	Trimester 4 Books and Supplies Total	\$150.00	

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	
Trimester 3: 432 Hours	Trimester 3 Books and Supplies Total	\$340.00	

4th TRIMESTER ELECTIVE SPECIALIZATION: CIVIL DRAFTER DIPLOMA

No Additional Books or Supplies	CAD0004 Worker Characteristics; CAD4070 Civil Design II; CAD4050	\$0.00	
Trimester 4: 432 Hours	Trimester 4 Books and Supplies Total	\$0.00	

3rd TRIMESTER ELECTIVE SPECIALIZATION: STRUCTURAL DRAFTER DIPLOMA

COURSE NUMBER	BOOKS & SUPPLIES	COST	QTY
CAD3060 Structural Design I	Autodesk Revit 2025 Structure Fundamentals; SDC; ISBN: 978-1-63057-685-1	\$56.00	
	Structural Steel D & D 2nd Ed.; Cengage; ISBN: 978-1401890322	\$204.00	
	Commercial Drafting & Detailing 4th Ed.; Cengage; ISBN: 9781285097398	\$191.50	
Trimester 3: 432 Hours	Trimester 3 Books and Supplies Total	\$451.50	

4th TRIMESTER ELECTIVE SPECIALIZATION: STRUCTURAL DRAFTER DIPLOMA

No Additional Books or Supplies	CAD0004 Worker Characteristics; CAD4090 Structural Design II; CAD4050 Professional Development	\$0.00	
Trimester 4: 432 Hours	Trimester 4 Books and Supplies Total	\$0.00	

	Books, Supplies, and Tests	Tuition & Fees	Trimesters to complete	Trimester Cost	Completion of Certificate or Diploma Total
Trimester 1 Assistant Drafter Certificate	\$512.64	\$1,440.00	1	\$1,952.64	\$1,952.64
Trimester 2 Detail Drafter Certificate	\$0.00	\$1,440.00	2	\$1,440.00	\$3,392.64
Tri. 3 & 4 Drafting & CAD Technician Diploma	\$0.00	\$1,440.00	4	\$1,440.00	\$6,272.64
Tri. 3 & 4 Mechanical Drafter Diploma	\$211.00	\$1,440.00	4	\$1,651.00	\$6,483.64
Tri. 3 & 4 Architectural Drafter Diploma	\$619.82	\$1,440.00	4	\$2,059.82	\$6,892.46
Tri. 3 & 4 Civil Drafter Diploma	\$340.00	\$1,440.00	4	\$1,780.00	\$6,612.64
Tri. 3 & 4 Structural Drafter Diploma	\$451.50	\$1,440.00	4	\$1,891.50	\$6,724.14