

CAD Technology Courses and Booklist

Prerequisite: None

1st Trimester

Certificate: Assistant Drafter

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0001	6	Worker Characteristics	None	\$0.00
CAD1010	6	Orientation & Safety	None	\$0.00
CAD1020	30	Technology Foundations	Calculator	\$15.00
CAD1030	150	Drawing Techniques	Drafting Kit	\$66.00
			Headphones (Earbuds)	\$7.00
			Technical Drawing 15th Edition; Pearson Peachpit; ISBN: 9780134306414	\$160.00
			Lead Holder	\$7.00
CAD1040	240	CAD	AutoCAD 2017 Tutorial First Level 2D Fundamentals; SDC Publications; ISBN: 978-1630570378	\$54.00
			Flash Drive	\$10.00
			Parametric Modeling with Autodesk Inventor 2017; SDC; ISBN: 978-1-63057-030-9	\$57.00

Trimester 1 Contact Hours

432

Trimester 1 Books and Supplies Total \$376.00

CAD Technology Courses and Booklist

Prerequisite: Assistant Drafter Certificate

2nd Trimester

Certificate: Detail Drafter 864 Total Contact Hours

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0002	6	Worker Characteristics	None	\$0.00
CAD2010	318	Technical Drawing I	None	\$0.00
CAD2020	108	Additive Manufacturing	None	\$0.00

Trimester 2 Contact Hours

432

Trimester 2 Books and Supplies Total \$0.00

CAD Technology Courses and Booklist

3rd & 4th Trimester

Prerequisite: Detail Drafter Certificate

Elective

Specialization: Mechanical Drafter 1728 total Contact Hours

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0003	6	Worker Characteristics	None	\$0.00
CAD3050	426	Mechanical Design I	Machinery's Handbook 30th Edition; Industrial Press; ISBN: 9780831130916	\$102.00
			SolidWorks 2012 Part I - Basic Tools; SDC Publications; ISBN: 978-1-58503-696-7	\$51.00
			SolidWorks 2012 Part 2 - Advanced Techniques; SDC Publications; ISBN: 978-1-58503-700-1	\$50.00
CAD0004	6	Worker Characteristics	None	\$0.00
CAD4080	396	Mechanical Design II	None	\$0.00
CAD4050	30	Professional Development	None	\$0.00

**Trimesters 3 & 4
Contact Hours**

864

Trimesters 3 & 4 Books and Supplies Total \$203.00

CAD Technology Courses and Booklist

3rd & 4th Trimester

Prerequisite: Detail Drafter Certificate

Elective

Specialization: Residential Architectural Drafter 1728 total Contact Hours

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0003	6	Worker Characteristics	None	\$0.00
CAD3030	426	Residential Architecture I	Architectural Drafting and Design, 7th Ed with MindTap; Cengage; ISBN-13: 9781337124362	\$230.00
			Residential Design Using Autodesk Revit 2017; SDC Publications; ISBN: 978-1-63057- 029-3	\$60.00
			Portfolio for Drawings	\$35.00
CAD0004	6	Worker Characteristics	None	\$0.00
CAD4060	396	Residential Architecture II	None	\$0.00
CAD4050	30	Professional Development	None	\$0.00

**Trimesters 3 & 4
Contact Hours**

864

Trimesters 3 & 4 Books and Supplies Total \$325.00

CAD Technology Courses and Booklist

3rd & 4th Trimester

Prerequisite: Detail Drafter Certificate

Elective

Specialization: Structural Drafter 1728 total Contact Hours

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0003	6	Worker Characteristics	None	\$0.00
CAD3060	426	Structural Design I	Structural Steel Drafting and Design 2 nd Ed. Delmar Cengage ISBN-13: 9781401890322	\$134.25
			Commercial Drafting & Detailing 4th Ed. Delmar Cengage ISBN-13: 9781285097398	\$191.50
CAD0004	6	Worker Characteristics	None	\$0.00
CAD4090	396	Structural Design II	Autodesk Revit 2017 Structure Fundamentals; SDC; ISBN: 978-1-63057-051-4	\$60.00
CAD4050	30	Professional Development	None	\$0.00

**Trimesters 3 & 4
Contact Hours**

864

Trimesters 3 & 4 Books and Supplies Total \$385.75

CAD Technology Courses and Booklist

3rd & 4th Trimester

Prerequisite: Detail Drafter Certificate

Elective

Specialization: Civil Drafter 1728 total Contact Hours.

Course Number	Contact Hours	Course Name	Books and Supply List	Cost
CAD0003	6	Worker Characteristics	None	\$0.00
CAD3040	426	Civil Design I	Civil Drafting Technology 7 th Ed. Prentice Hall	\$90.00
			Structural, Civil and Pipe Drafting, 2nd Edition; Cengage; ISBN-13: 9781133949398	\$250.00
CAD0004	6	Worker Characteristics	None	\$0.00
CAD4070	396	Civil Design II	AutoCAD Civil 3D 2017 Fundamentals, SDC Publications; ISBN: 9781630570224	\$60.00
CAD4050	30	Professional Development	None	\$0.00

**Trimesters 3 & 4
Contact Hours**

864

Trimesters 3 & 4 Books and Supplies Total \$400.00