



South Central College
Program Design

DIP 3498 Architectural Drafting and Design

Program Information

Instructional Level Technical Diploma

Career Cluster Engineering, Manufacturing & Technology

Description

This program prepares students for application of basic technical skills in support of Architects engaged in designing/developing commercial buildings.

A laptop is required for this program. Please consult faculty before purchase.

Program Location (North Mankato and/or Faribault)

North Mankato

Program Student Learning Outcomes

- 1 Create high-quality construction documents
- 2 Solve design/detail problems using research
- 3 Apply energy-related systems and assemblies to design projects
- 4 Apply building industry standard
- 5 Demonstrate proficiency in 2D and 3D drawing software

Program Configurations

Fall Start

Credits

Technical Course	21
Liberal Arts & Sciences	8
Total Credits	29

Semester 1 - Fall, Year 1

Course #	Course Title	Credits	Function
BDET 1120	Estimating Concepts	2	Technical Course
ENGL 100	Composition	4	Liberal Arts & Sciences
ARCH 1101	Studio 1	4	Technical Course
ARCH 1103	Materials & Methods 1	2	Technical Course
ARCH 1102	AutoCAD Architecture	2	Technical Course

Semester 2 - Spring, Year 1

Course #	Course Title	Credits	Function
BDET 1260	Special Topics in Environmental Design	1	Technical Course
MATH 120	College Algebra	4	Liberal Arts & Sciences
ARCH 1201	Studio 2	4	Technical Course
ARCH 1203	Materials & Methods 2	2	Technical Course
ARCH 1104	Construction Documents	2	Technical Course
ARCH 1202	Revit 1 Fundamentals	2	Technical Course

Program Course List

Number	Title	Credits	Pre/Corequisites
ARCH 1101	Studio 1	4	None
ARCH 1102	AutoCAD Architecture	2	None
ARCH 1103	Materials & Methods 1	2	None
ARCH 1104	Construction Documents	2	
ARCH 1201	Studio 2	4	ARCH 1101 Studio 1 ARCH 1202 Revit 1 Fundamentals ARCH 1203 Materials & Methods 2
ARCH 1202	Revit 1 Fundamentals	2	ARCH 1101 Studio 1 ARCH 1201 Studio 2
ARCH 1203	Materials & Methods 2	2	ARCH 1103 Materials & Methods 1 ARCH 1201 Studio 2
BDET 1120	Estimating Concepts	2	None
BDET 1260	Special Topics in Environmental Design	1	BDET 1110 Studio I
ENGL 100	Composition	4	Next-Generation Accuplacer Reading minimum score of 250 (Classic Accuplacer, minimum of 75) or completion of READ 0090 or EAP 0095 with a C (2.0) or higher.