

# Drafting (Design) Technology

MSU-Northern offers an Associate of Applied Science (AAS) degree in Design Drafting Technology through its College of Technical Science. A minor in Design Drafting Technology is also available. The fundamentals of technical drawing remain constant, but the tools used to produce technical drawings and models change almost daily. In response to these changes, our program strives to incorporate the latest technological advancements from the field to aid in the application of basic to advanced design concepts. There is a strong emphasis on computer-aided design throughout the program along with the courses emphasizing technical animation, simulation, and multimedia design and development.

## Associate of Applied Science Design Drafting Technology

Code	Title	Credits
WRIT 101	College Writing I <sup>1</sup>	3
M 121	College Algebra <sup>2</sup>	3
COMX 111	Intro to Public Speaking <sup>3</sup>	3
<b>Required Courses</b>		
SRVY 230	Intro to Srvyng for Engineers	3
EGEN 203	Applied Mechanics	3
EGEN 208	Applied Strength of Materials	3
DDSN 119	Technical Graphics I	3
ETCC 173	Architectural Const & Material	3
DDSN 114	Introduction to CAD	3
DDSN 255	Machine Drafting	3
DDSN 245	Civil Drafting	3
DDSN 265	Architectural Drafting	3
DDSN 116	3D CAD	3
M 112	Trigonometry & Complex Numbers	2
MCH 200	Machining	3
MCH 250	Manuf Processes and Materials	3
PHSX 205	College Physics I	3
PHSX 206	College Physics I Laboratory	1
DRFT 216	Industrial CAD Modeling	3
MFGT 2XX	CAD/CAM	3
BGEN 112	Creative Problem Solving	3
<b>Total minimum credits required for degree</b>		<b>60</b>

<sup>1</sup> Meets Communications Requirement

<sup>2</sup> Meets Computation Requirement

<sup>3</sup> Meets Human Relations Requirement

## Minor Design Drafting Technology **\*\*Currently in Moratorium\*\***

Code	Title	Credits
<b>Required Courses</b>		
DDSN 119	Technical Graphics I	3
DRFT 132	Descriptive Geometry	3
DDSN 114	Introduction to CAD	3
DDSN 265	Architectural Drafting	3
DDSN 255	Machine Drafting	3
DDSN 116	3D CAD	3
Select three of the following:		9
ETCC 385	Highway Design & Construction	
DDSN 239	Parametric CAD	
DDSN 376	Presentation & Animatn (=276)	
DDSN 435	Industrial Product Design	

DRFT 428	Technical Illustration
DDSN 465	Architectural CAD II
MCH 351	CAD/CAM Applications
<b>Total minimum credits required for minor</b>	