

# Navajo Technical University

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

## Associate of Applied Science – Building Information Modeling (62 Credits)

The Building Information Modeling (BIM) and Computer-Aided Drafting (CAD) programs prepare students to pursue a drafting career. Students in the CAD program work with 2-D CAD, Microsoft Office Suite, and commercial and residential blueprint reading. Student completing the BIM degree program will have a broad range of 2-D and 3-D CAD, drafting skills and a solid, well-rounded educational foundation. Skills obtained at NTU give students the opportunity to apply in various internships with NASA, NASA affiliates and gain employment in various industries such as architectural or engineering firms. Students completing the BIM program will be given the opportunity to take the Autodesk Certified User exam to show competency in AutoCAD, Inventor (mechanical 3- D software) and Revit (architectural 3-D software). Students completing the CAD program only have the opportunity to take the Autodesk Certified User exam show competency in AutoCAD.

GENERAL EDUCATION REQUIREMENTS		Credits	Prerequisites	Semester/Transfer	Grade
<b>English/Communication:</b> ENGL 1110		3	ENGL 100 or satisfactory placement scores		
<b>Mathematics:</b> MATH 1220 or higher		4	SEE CATALOG		
<b>Dine Studies:</b> NAVA1110		4			
<b>Natural or Physical Science Course:</b> <b>1.</b>		4			
ENGR 123	Computer Skills for Engineering	3			
SSC100	College Success Skills	1			
<b>BIM CORE COURSES</b>					
<b>Semester ONE</b>		<b>Credits</b>			
DFT 120	Computer-Aided Drafting I	3			
GIT 110	Geographic Information System I	3	MATH1220		
ENGR 130	Engineering Graphics	3			
<b>Semester TWO</b>					
PHYS1115C	Survey of Physics with Lab	4			
DFT 220	Computer-Aided Drafting II	3	DFT120		
AMT 311	Laser Scanning Methods & Techniques	3			
CT 115	Introduction to Construction Project Management	3			
<b>Semester THREE</b>					
DFT 112	Architectural Drafting	3			
DFT 240	Building Codes	3			
MATH1350	Introduction to Statistics	3	MATH1220		
ENGR 143	Characteristics of Engineering Materials	3			
<b>Semester FOUR</b>					
DFT 212	Advanced Architectural Drafting	3			
DFT 250	Construction Management/Estimation	3			
CT 280	Materials and Methods of Construction	3			
<b>TOTAL REQUIRED CREDIT HOURS</b>		<b>62</b>			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 7/14/2024