



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: MECHANICAL DESIGN

Marian University: Technology Education

Minimum GPA: 2.75

Initial Effective Date: Spring, 2018

Four Year Academic Plan

1st Semester at NTC			2nd Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-103	Mechanical Design Workforce Preparedness	1	10-606-106	2D AutoCad Applications	2
10-606-105	Technical Drafting/CAD	2	10-606-111	Applied Mechanics for Technicians	3
10-606-128	Technical Detailing	2	10-606-115	Machine Design 1	2
10-606-132	Materials of Industry 1	2	10-606-162	Manufacturing Processes - Fabrications	2
10-606-160	Manufacturing Processes - Machining	2	10-606-163	Strength of Materials	3
10-806-154	General Physics 1	4	10-801-195	Written Communication OR	3
10-804-195	College Algebra W/Apps OR	3	10-801-136	English Composition 1	
10-804-118	Intermediate Algebra W/Apps (4 cr)				
	Total credits	16		Total credits	15

Summer Semester		
Course No.	Course Title	Credits
10-809-198	Intro to Psychology OR (CURRENT 4TH)	3
10-809-199	Psychology of Human Relations	
	Total credits	3

44 [Prog. Credits](#)
 15 [Broadbased](#)
 19 [General Studies](#)
 61 [Marian/NTC classes](#)
 139

3rd Semester at NTC			4th Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-133	Solidworks 1	1			
10-606-134	Solidworks 2	1	10-606-109	Computer Apps & Analysis for Engineers	1
10-606-107	Designing for Manufacturability	4	10-606-116	Tooling & Production	2
10-606-108	Geometric Dimensioning & Tolerancing Fund.	1	10-606-125	Design Problems	3
10-606-114	Mechanisms	4	10-606-130	Autodesk Inventor 3D CAD Software	2
10-606-117	Machine Design 2	3	10-801-197	Technical Reporting	3
10-612-120	Fluid Power Systems 1: Fundamentals	1	10-809-172	Intro to Diversity Studies OR	2

EDU101	Intro to Education *	3	10-809-196	Intro to Sociology	3
			EDU202	Psychology of Learning*	3
	Total credits ***	18		Total credits	17

* Prerequisite for 5th semester classes

5th Semester at Marian			6th Semester at Marian		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
EDU290	Intro to Clinical Practice	3	SEC360	Principles of Curr and Assessment in Tech Ed	3
SPE313	Educating Exceptional Children	3	SEC460	Methods of Teaching Tech Education	3
EDU301	Intercultural Studies for Educators	3	10-809-166	Intro to Ethics: Theory and Application (NTC Class)	3
10-801-155	English Comp 2 (NTC Class)	3	ENG112	Intro to Literary Genres	3
THE101	Intro to Christian Theology	3	POS 205	American Government	3
	Total credits	15		Total credits	15
7th Semester at Marian			8th Semester at Marian		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
SEC310	Academic Literacy	3	EDU490	Clinical Practice Seminar	1
EDU390	Preclinical Practice	3	EDU498	Clinical Practice	12
ART230	Survey of Art History 1 <u>OR</u>				
MUS203	Jazz Survey	3			
HIS102	World Civilizations 2	3			
	Total credits	12		Total credits	13
TOTAL CREDITS					139

Marian class while at NTC

NTC class while at Marian

Broadfield Courses

*These courses need to be completed for the Marion Technology Education program. Please work with your advisor on a personalized plan.

Course Title		Course No.	Credits
**Auto Service Fundamentals		10-602-107	2
Photoshop		10-204-126	2
**Revit for Architectural Design		10-614-127	2
Biotechnology		10-806-130	2
Industrial Electronics Technology 1		106-660-123	1
Industrial Electronics Technology 2		106-660-124	1
Intro to Welding		10-442-101	2
Intro to Machine Tool		10-420-101	2
Fluid Power Systems 2: Fundamentals of Pneumatics		10-612-121	1
** must be taken in Fall			15

ENG COMP	NTC 155	3
PHIL		3
LIT	MU	3
ART	MU	3
HIS	MU	3
POS		3
THE	MU	3
EDUC	MU	40
		61

Updated on:08/15/18