

## Mechanical Engineering Technology *Associate of Applied Science*

The machinery of modern industry consists of mechanical devices - levers that move, wheels that spin and cogs that must mesh. The Mechanical Engineering Technology degree is designed to train students in technology based, entry-level occupations related to the mechanical and manufacturing engineering fields. Graduates will be able to assist engineers and other professional staff engaged in plant and facilities maintenance and other plant engineering and management functions.

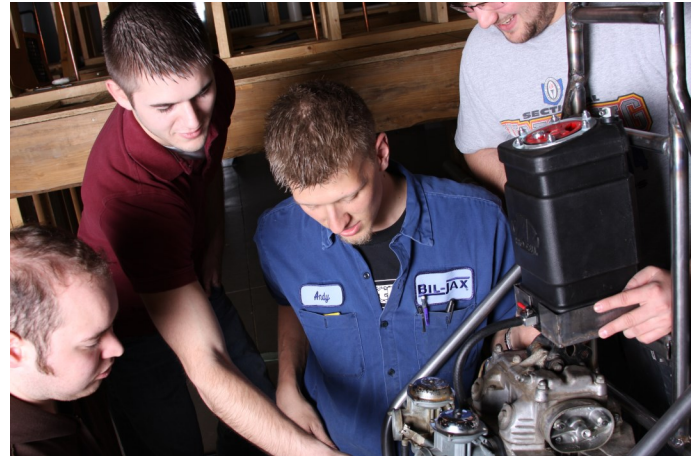
All aspects of industry are dependent on the production and reading of drawings to convey information.

The Mechanical Engineering Technology degree provides students the opportunity to study engineering topics associated with the design and installation of mechanical equipment and systems with the option of transferring to another institution to pursue a four-year bachelor degree in mechanical engineering technology.

The student who follows this course of study will be trained to function as a Mechanical Technician in a number of industrial situations which require knowledge of mechanical systems, engineering materials and equipment. The student may find themselves working closely with engineers engaged in designing, testing, servicing or assembly and installation of machinery and industrial equipment.

## Career Outlook

Many diverse occupations find their origins in the mechanical field. These occupations include a variety of titles in the areas of drafting, production, testing, design and analysis, to name a few. Employment in the mechanical field should be quite good with job opportunities growing as fast as average nationally and in the state of Ohio. The largest need for mechanical engineering technicians will be in manufacturing, with companies continually wanting new or improved machinery.



## Math, Science & Engineering Technologies Division



Dan Burklo, M.S.E., Ph.D.  
Dean

### Questions:

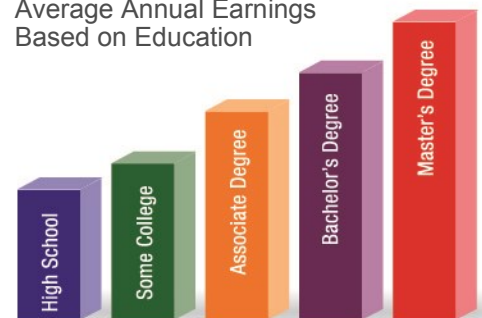
NSCC Admissions Office  
(419) 267-1320  
admissions@NorthwestState.edu

[www.NorthwestState.edu](http://www.NorthwestState.edu)

2016-2017

### Education Pays

Average Annual Earnings  
Based on Education



Based on data from the Bureau of Labor Statistics

NSCC is accredited by:  
The Higher Learning Commission  
(312) 263-0456  
[www.ncahigherlearningcommission.org](http://www.ncahigherlearningcommission.org)

# PROGRAM SEQUENCE

<b>First Semester</b>		<b>Credits</b>
ENG111	Composition I	3
MET100	Introduction to Engineering Technology	2
+MET107	Engineering Graphics	3
MTH109	College Algebra	3
+MET121	Manufacturing Processes	3
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		14

<b>Second Semester</b>		<b>Credits</b>
+CAD213	CAD III	4
ENG112	Composition II	3
+MET134	Engineering Materials	3
MTH112	Trigonometry	3
PHY251	Physics: Mechanics & Heat	4
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		17

<b>Third Semester</b>		<b>Credits</b>
+QCT100	Quality Concepts	3
+MET234	Strength of Materials	3
+MET235	Statics	3
	Natural Science Elective	4
	Communications Elective	3
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		16

<b>Fourth Semester</b>		<b>Credits</b>
+MET255	Fluid Mechanics	3
+MET265	Machine Design	3
+CAD112	CAD II or	
+EET121	DC Circuits or	
+CET115	Project Management	3
	Social/Behavioral Science Elective	3
	Humanities Elective	3
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		15

**Total Program Credit Hours** **62**

+ Students must attain a minimum grade of “C” in all courses with a ‘+’ to progress in the program and to graduate.