

**MANUFACTURING (AUTOMATED) ENGINEERING TECHNOLOGY**

This curriculum is highly sequential. Therefore, in order to meet prerequisites please take courses in the suggested sequence.

Naugatuck Valley Community College

Office of Academic Affairs

PROGRAM OF STUDY SHEET

STUDENT NAME: \_\_\_\_\_ ID @ \_\_\_\_\_ DATE: \_\_\_\_\_

ADVISOR: \_\_\_\_\_ TRANSFER PLANS: \_\_\_\_\_

**SECTION A: GENERAL EDUCATION REQUIREMENTS†**

<u>RECOMMENDED SEMESTER</u>	<u>COMPETENCY</u>	<u>COURSE NUMBER/TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
n/a	Aesthetic Dimensions/Written Communications	exempt	0	n/a
1	Continuing Learning/Information Literacy/Ethics	TCN*H101 Intro Engineering Tech	3	
n/a	Historical Knowledge	exempt	0	n/a
3 or 4	Oral Communication	Any OC ( <b>COM*H173 recommended</b> )	3	
1	Quantitative Reasoning	MAT*H172 College Algebra	3	
2	Scientific Knowledge	CHE*H111 or CHE*H121††	4	
2	Scientific Reasoning	PHY*H121 General Physics I	4	
3 or 4	Social Phenomena	Any Social Phenomena course	3	
1	Written Communication/Critical Analysis/Logical Think	ENG*H101 Composition	3	
2	Written Communication	ENG*H102, ENG*H200 or <b>ENG*H202</b>	3	

**SECTION B: PROGRAM REQUIREMENTS**

<u>RECOMMENDED SEMESTER</u>	<u>COURSE</u>	<u>TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
1	MFG*H104	Manufacturing Processes	4	
1	CAD*H150	CAD 2D	3	
2	MAT*H185	Trigonometric Functions	3	
2 or 3	Choose from:	CAD*H200 3D CAD Modeling <b>OR</b> MAT*H254 Calculus I†††	4	
3	MEC*H114	Statics	3	
3	MFG*H106	Computer-aided Manufacturing I	3	
3	MFG*H171	Introduction to Lean Manufacturing	3	
2 or 3	EET*H102	Electrical Applications†††	3	
4	Choose from:	MEC*H251 Material Strength <b>OR</b> MFG*H275 Mechanics of Materials	3 or 4	
4	Choose from:	MFG*H239 Geometric Dimension & Tolerance <b>OR</b> MFG*H230 Statistical Process Control	3	
4	MFG*H201	Computer-aided Manufacturing II	3	
4	MFG*H210	Materials of Engineering	4	

**TOTAL CREDITS REQUIRED NOT FEWER THAN: 65-66**

ADDITIONAL COMMENTS: \_\_\_\_\_

STUDENT SIGNATURE \_\_\_\_\_ DATE: \_\_\_\_\_

ADVISOR SIGNATURE \_\_\_\_\_ E-MAIL: \_\_\_\_\_@nv.edu PHONE: (203) \_\_\_\_\_

† See <http://www.nv.edu/Academics/General-Education/Approved-Courses> for listing of General Education courses. **BOLD course recommended.**

†† Choose CHE\*H121 if transferring to a Bachelor's degree program.

††† Choose MAT\*H254 if transferring to a Bachelor's degree program. Take MAT\*H254 in semester 3 and EET\*H102 in semester 2.

Naugatuck Valley Community College Division of Science, Technology, Engineering & Mathematics  
**Manufacturing (Automated) Engineering Technology Associate of Science Degree**

Student Name:

Student ID#: @

FIRST SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MAT*H172 College Algebra	3	≥C in MAT*H136 or H137		
TCN*H101 Intro to Engineering Technology	3	none		
MFG*H104 Manufacturing Processes	4	none		
CAD*H150 CAD 2D	3	none		
ENG*H101 Composition	3	≥C in ENG*H063 or H096		
<b>Total</b>	<b>16</b>			

SECOND SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MAT*H185 Trigonometric Functions	3	≥C in MAT*H172		
PHY*H121 General Physics I	4	MAT*H172 (co-req)		
CHE*H111 Concepts of Chemistry <i>OR</i> ----- CHE*H121 General Chemistry I <sup>†</sup>	4	≥C in MAT*H136 or H137 MAT*H172 (co-req)		
CAD*H200 3D CAD Modeling <i>OR</i> ----- MAT*H254 Calculus I <sup>††</sup>	4	CAD*H150 ≥C in MAT*H185		
ENG*H102 <i>or</i> ENG*H200 <i>or</i> ENG*H202 <sup>†††</sup>	3	≥C in ENG*H101		
<b>Total</b>	<b>18</b>			

THIRD SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MEC*H114 Statics	3	MAT*H172, PHY*H121, TCN*H101		
MFG*H106 Computer-Aided Manufacturing I	3	MFG*H104		
MFG*H171 Intro to Lean Manufacturing	3	none		
EET*H102 Electrical Applications <sup>††</sup>	3	MAT*H136 or H137 (co-req)		
Any Oral Communication course <sup>†††</sup>	3	Dependent on course		
<b>Total</b>	<b>16</b>			

FOURTH SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MEC*H251 Materials Strength <i>OR</i> ----- MFG*H275 Mechanics of Materials	4	MEC*H114		
MFG*H239 Geometric Dimensioning & Tolerancing ----- MFG*H230 Statistical Process Control	3	none		
MFG*H201 Computer-Aided Manufacturing II	3	MAT*H172		
MFG*H210 Materials of Engineering	4	MFG*H106		
Any Social Phenomena course	3	MFG*H104, CHE*H111		
<b>Total</b>	<b>15-16</b>	Dependent on course		
<b>Program Total</b>	<b>65-66</b>			

<sup>†</sup>Choose if transferring to a Bachelor's degree program.

<sup>††</sup>Choose MAT\*H254 if transferring to a Bachelor's degree program.

Take MAT\*H254 in semester 3 and EET\*H102 in semester 2.

<sup>†††</sup>Choose ENG\*H202 Technical Writing and COM\*H173 Public Speaking if transferring to CCSU.