

## JUNIOR/SENIOR OPTION

# MECHANICAL ENGINEERING TECHNOLOGY

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## FIRST YEAR

### FIRST SEMESTER

COURSE #..... COURSE NAME..... CREDITS

EN 105.....	APP. OF ENGINEERING TECH.....	3
EN 105A.....	FUNDAMENTALS OF DRAFTING.....	2
EN 110.....	DRAFT 2D VIEWS AND DIM.....	2
EN 115.....	ENGINEERING TECHNOLOGY PROJ. I.....	2
EN 120A.....	CIVIL DRAFTING FUNDAMENTALS.....	2
EN 130.....	CAD FUNDAMENTALS.....	2

TOTAL SEMESTER CREDITS..... 13

### SECOND SEMESTER

COURSE #..... COURSE NAME..... CREDITS

EN 101.....	OSHA 10.....	1
EN 107.....	INTRO TO UAS FLIGHT.....	1
EN 150.....	TOPOGRAPHIC TRIANGULATION.....	2
EN 160A.....	APP. OF SPATIAL REASONING IN ENG.....	2
EN 177.....	MECHANICAL CAD/CAM DRAFTING.....	2
EN 182.....	CAD DRAFTING MODELS.....	2
EN 185.....	CIVIL CAD FUNDAMENTALS.....	2
EN 190.....	BASIC SURVEYING WITH MATH.....	3

TOTAL SEMESTER CREDITS..... 15

## ADDITIONAL CREDITS FOR AAS DEGREE (15 CREDITS)

COURSE NAME.....CREDITS

COLLEGE ALGEBRA.....	3
COMPUTER FUNDAMENTALS.....	3
ENGLISH COMPOSITION I.....	3
PERSONAL FINANCE.....	3
WORK PLACE ETHICS {ETHICS, PSY, SOC}.....	3

## SECOND YEAR

### THIRD SEMESTER

COURSE #..... COURSE NAME..... CREDITS

MEC 200.....	ADVANCED MECHANICAL DRAFTING.....	2
MEC 205.....	MANUAL MECHINING OPERATIONS.....	3
MEC 210.....	ENGINEERING TECH. PROJECTS II.....	3
MEC 215.....	ADDITIVE MFG DESIGN & OP.....	3

TOTAL SEMESTER CREDITS..... 11

### FOURTH SEMESTER

COURSE #..... COURSE NAME..... CREDITS

MEC 250.....	MECHANICAL DESIGN CAPSTONE.....	7
MEC 260.....	ADVANCED MFG PROCESSES.....	3
MEC 280.....	OWE OR MEC 281-SPECIAL PROJ.....	5

TOTAL SEMESTER CREDITS..... 15

\*\*\*CLASSES LISTED IN **YELLOW** ARE NOT COVERED UNDER THE EXCEL IN CTE PROGRAM. THESE CLASSES WILL BE **\$100 PER CREDIT HOUR**.

**AVERAGE ENTRY LEVEL WAGE FOR NT GRADUATES: \$38,000- \$60,000**

## TOOLS

\*\*\* STUDENTS ARE REQUIRED TO PURCHASE A LAPTOP THROUGH THE PROGAM FOR \$1400\*\*\*  
**(BOOKS, COURSE MATERIALS, SUPPLIES, AND EQUIPMENT)**  
NON-TIERED COURSE.....CREDITS..... COST  
EN 115.....2.....\$200  
EN 130.....2.....\$200  
MEC 205.....3.....\$300  
MEC 210.....3.....\$300  
MEC 280 OR MEC 281.....5.....\$500

## EMPLOYMENT OPTIONS

- ✓ DESIGNER
- ✓ BRIDGE TECHNICIAN
- ✓ ROAD TECHNICIAN
- ✓ SURVEYOR
- ✓ MECHANICAL DESIGNER
- ✓ ECT.

## INSTRUCTORS

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