

## **Manufacturing Supervision Certificate Option**

### **COMMUNICATION..... 3 HOURS**

Choose one from the following communications courses.

ENG132 Applied Communications*	3
ENG133 English Composition I*	3
ENG144 Public Speaking	3
ENG167 Interpersonal Communication	3
TEC104 Technical Writing*	3

### **HUMAN DEVELOPMENT and EMPLOYMENT .... 1-3 HOURS**

Choose one course from the following human development courses.

MGT194 Mgt Seminar: Work Place and Life Skills	1
PAW106 Preparation for Employment	1
PSY113 General Psychology I	3
PSY116 Applied Psychology	3
SOC113 General Sociology	3
SOC140 Human Relations	3

### **MATHEMATICS ..... 3 HOURS**

Choose one (1) course from the following mathematics courses.

MAT113 Intermediate Algebra*	3
MAT114 Applied Mathematics*	3
MAT123 College Algebra*	3
MAT133 Trigonometry*	3
MAT160 Calculus for Business/Social Sciences*	3
MAT165 Analytic Geometry and Calculus I*	5
MAT215 Analytic Geometry and Calculus II*	5
TEC101 Technical Math I*	4

### **PHYSICAL SCIENCE..... 3-4 HOURS**

Choose one course from the following science courses.

PHS105 Applied Science	3
PHS110 Introduction to Physics	3
PHS125 Introduction to Chemistry*	5
PHS130 Elementary College Physics*	5
PHS135 General Chemistry I*	5
PHS223 General Physics I*	4
TEC107 Unified Technical Concepts I*	4
TEC108 Unified Technical Concepts II*	4
TEC136 Principles of Technology I	3
TEC141 Principles of Technology II*	3

### **ORGANIZATIONAL BEHAVIOR AND MGT..... 9 HOURS**

Complete six hours from organizational behavior and management.

MGT173 Safety Management	3
MGT266 Supervision I or MGTXXX Supervision II	3
MGT130 Organizational Analysis and Management or ENG215 Leadership Development or MGT171 Human Resources Management	3

### **MANUFACTURING ..... 3 HOURS**

Complete three hours from the manufacturing area.

TEC156 Manufacturing Processes and Estimating	3
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### **SPECIALITY AREAS ..... 6 HOURS**

MFG100 Principles of Maintenance	3
MGT114 Cost Accounting or MGT119 Financial Accounting or BUS233 Marketing	3
MGT131 Project Management* or MFG105 Supply Chain Management and Distribution .	3
MFG103 Introduction to Quality Theory or TEC158 Quality Control & Testing Fundamentals	3

**COMPUTER LITERACY ..... 3 HOURS**  
CIS175 Microcomputer Applications ..... 3

**GENERAL EDUCATION ..... 12-14**  
**MAJOR AND ELECTIVES ..... 18**

**TOTAL HOURS ..... 33-35**

\*Designates courses with prerequisites.