

## **Associate of Applied Science in Mechanical Production Technology Machine Tool Metalworking to Bachelor of Arts in Manufacturing Management**

The following is presented as an articulation agreement between Joliet Junior College (JJC) and Governors State University (GSU) for the Manufacturing Management degree program based on the current catalogs of both schools. The student would receive an Associate of Applied Science (AAS) degree in Mechanical Production Technology Machine Tool Metalworking from JJC and a Bachelors of Arts (BA) degree in Manufacturing Management from GSU.

### **I. TRANSFERABLE GENERAL EDUCATION: (16 Hours)**

#### **Communications (6 hours)**

- ENG 101 - Rhetoric I (3) [Sub for ENG 130]
- ENG 102 - Rhetoric II (3) [Sub for ENG 230]

#### **Humanities and Fine Arts (3 hours)**

- One Humanities or Fine Arts course\* (3)

#### **Mathematics (4 hours)**

- MATH 128 - Elementary Statistics (4) (Meets MATH 2100) [Sub for TMAT 107 or 108]

#### **Physical and Life Sciences (0 hours)**

#### **Social and Behavioral Sciences (3 hours)**

- Social and Behavioral Science Course (non-economics)\* (3)

### **II. TECHNOLOGY AREA OF STUDY (45-46 Hours)**

- CADD 101 - 2D Computer Aided Design and Drafting I (3)
- IMT 121 - *Industrial Fluid Power (3) OR*
- PHYS 103 - *Technical Physics (4)*
- MFG 101 - Precision Machine Tool Technology I (4)
- MFG 102 - Precision Machine Tool Technology II (4)
- MFG 103 - Precision Machine Tool Technology III (5)
- MFG 104 - Manufacturing Processes (5)
- MFG 107 - Dimensional Metrology (3)
- MFG 111 - Numerical Control (3)
- MFG 112 - Advanced Numerical Control (3)
- MFG 115 - Blueprint Reading for Manufacturing & Welding (3)
- MFG 120 - Physical Metallurgy (3)
- MFG 200 - Advanced Blueprint Reading/Geometric Dimensioning and Tolerancing (3)
- WLDG XXX - Select course from WLDG department (3)

### **III. ELECTIVES (3 Hours)**

Select any technical Department course from the prefixes: AB, AS, AEC, ARCH, CADD, CM, EEAS, EET, HVAC, IMT, MFG, OPT, PCIT, WLDG.

### **REQUIRED A.A.S. DEGREE PROGRAM TOTAL: 63 Hours (64-65 hours as written)**

**\* Refer to the JJC AA/AS guidelines for a list of course choices in Section I**

Note: Students can complete up to 80 hours at JJC by taking additional courses from Section IV.

## IV. TO BE TAKEN AT GSU OR JJC (37-40 Hours)

- Computer Fundamentals (3) (JJC CIS 126 or GSU MIS 2101)
- Life Science Course\* (3-4) (Either life science or physical science must have a lab.)
- Financial Accounting (3-4) (JJC ACCY 101 or GSU ACCT 2110)
- Fine Arts Course (3)\*
- Humanities Course (3)\*
- Intro to Management (3) (JJC MGMT 101 or GSU MGMT 2100)
- Intro to Marketing (3) (JJC MKTG 101 or GSU MKTG 2100)
- Physical Science Course\* (3-4) (Either life science or physical science must have a lab.)
- Macroeconomics (3) (JJC ECON 103 or GSU ECON 2302)
- Managerial Accounting (3-4) (JJC ACCY 102 or GSU ACCT 2111)
- Microeconomics (3) (JJC ECON 104 or GSU ECON 2301)
- Speech (3) (JJC SPCH 101 or GSU COMS 1160)

\* Refer to the JJC or GSU catalog for a list of course choices in Section IV.

## V. TO BE TAKEN AT GSU (42 Hours)

### Business Core (27 hours)

- BUS 3200 - Business Communications (3)
- BUS 3700 - Business Statistics (3)
- FIN 3110 - Principles of Financial Management (3)
- MGMT 3099 - Business Ethics and Social Responsibility (3)
- MGMT 3400 - Production and Operations Management (3)
- MGMT 3500 - Organizational Behavior (3)
- MGMT 4600 - Globalization of Business (3)
- MGMT 4901 - Project Management for Advanced Manufacturing (3)
- MIS 3101 - Management Information Systems (3)

### Specialization Courses (15 hours)

- MGMT 3300 - Human Resource Management (3)
- MGMT 4400 - Supply Chain Management (3)
- MGMT 4410 - Quality Management (3)
- MGMT 4420 - Production and Inventory Control Systems (3)
- MGMT 4440 - Lean Manufacturing (3)

### Minimum Required for BA in Manufacturing Management: 121 Hours

(143-147 hours as written to satisfy AAS, General Education and BA requirements.)

#### For Additional Information:

**Governors State University**

**Office of Admission**

**(708) 534-4490**

[TransferGuide@govst.edu](mailto:TransferGuide@govst.edu)

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