



AAS in Mechanical Production Technology Machine Tool Metalworking to BA in Manufacturing Management

**Courses taken at JJC**

**Year One, First Semester**

- MFG 115 Blueprint Reading for Manufacturing and Welding
- CADD 101 2D Computer Aided Design and Drafting I
- MATH 128 Elementary Statistics (Sub for TMAT 107 or 108)\*\*
- MFG 101 Precision Machine Tool Technology I
- MFG 107 Dimensional Metrology

**Year One, Second Semester**

- ENG 101 Rhetoric
- MFG 111 Numerical Control
- MFG 120 Physical Metallurgy
- MFG 102 Precision Machine Tool Technology II
- GEN ED Select 1 course from Groups 1-V: General Education\*\*

**Year Two, Third Semester**

- GEN ED Select 1 course from Group II: Social & Behavioral Sciences\*\*
- MFG 103 Precision Machine Tool Technology III
- MFG 112 Advanced Numerical Control
- PHYS 103 or Technical Physics or
- IMT 121 Industrial Fluid Power

**Year Two, Semester Four**

- ENG 102 Rhetoric II
- MFG 104 Manufacturing Processes
- Select any Technical Department course from the prefixes: AB, AS, AEC, ARCH, CADD, CM, EEAS, EET, HVAC, IMT, MFG, OPT, PCIT, WLDG\*\*
- Elective
- WLDG (ANY) Select 3 credit hours from any WLDG course Advanced Blueprint Reading/Geometric\*\*
- MFG 200 Dimensioning and Tolerancing

**Total JJC Credits: 64-65\***

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**Courses taken at GSU**

- MIS 2101 Computer Fundamentals - May be taken at GSU or JJC\*\*
- GEN ED Life Science Course (3-4 credits) - May be taken at GSU or JJC\*\*
- ACCT 2110 Financial Accounting - May be taken at GSU or JJC\*\*
- GEN ED Fine Arts Course (3 credit hours) - May be taken at GSU or JJC\*\*
- GEN ED Humanities Course (3 credit hours) - May be taken at GSU or JJC\*\*
- MGMT 2100 Intro to Management - May be taken at GSU or JJC\*\*
- MKTG 2100 Intro to Marketing - May be taken at GSU or JJC\*\*
- GEN ED Physical Science Course (3-4 credits) - May be taken at GSU or JJC\*\*
- ECON 2302 Macroeconomics - May be taken at GSU or JJC\*\*
- ACCT 2111 Managerial Accounting - May be taken at GSU or JJC\*\*
- ECON 2301 Microeconomics
- COMS 1160 Speech
- BUS 3200 Business Communications
- BUS 3700 Business Statistics
- FIN 3110 Principles of Financial Management
- MGMT 3099 Business Ethics and Social Responsibility
- MGMT 3400 Production and Operations Management
- MGMT 3500 Organizational Behavior
- MGMT 4600 Globalization of Business
- MGMT 4901 Project Management for Advanced Manufacturing
- MIS 3101 Management Information Systems
- MGMT 3300 Human Resource Management
- MGMT 4400 Supply Chain Management
- MGMT 4410 Quality Management
- MGMT 4420 Production and Inventory Control Systems
- MGMT 4440 Lean Manufacturing

**Total GSU Credits: 79-82\***

**Total Degree Credits: 143-147\***

**Minimum required for BA in Manufacturing Management: 121 hours**

Note: Students can complete up to 80 credit hours at JJC by taking additional courses\*\*





\*This transfer guide is a sample curriculum. Additional courses may be required based on placement test scores. Please work with your faculty advisor or success coach prior to course registration.

\*\*Courses are to be chosen in consultation with an academic advisor. Either Physical Science or Life Science must have a lab.

**About GSU's Program:**

Students with an associate degree can advance their knowledge and skills through Governors State's Bachelor of Arts in Manufacturing Management, which is offered 100% online with the option to take on-campus courses. Specialized courses in topics such as Lean Six Sigma, Supply Chain Management, and Project Management provide a strong foundation in real-world applications. The typical entry-level education for manufacturing managers is a bachelor's degree, according to the Bureau of Labor Statistics. The corresponding return on investment (ROI) for your undergraduate degree is high: the median salary in the field is \$100,580.

**About JJC's Program:**

The Mechanical Production Technology program provides students with an understanding of the fundamentals of manufacturing through both hands-on experience and study of theory. Whether pursuing an AAS degree or certificate, our students study a range of manufacturing-related disciplines which will prepare them for employment in manufacturing. For students who don't have time for an AAS degree but desire further education in a specific area, certificates specializing in blueprint reading or computer numerical control are available. Areas of study in this program include precision machining practices, maintenance machining, CNC/CAM/EDM, stamping dies, plastic injection mold making and CADD. As a machinist, graduates can make an average of \$44,110 per year according to the U.S. Bureau of Labor Statistics with only an associate degree. Job opportunities for these workers should be good because of the number of job openings arising each year from the need to replace workers who retire or leave the occupation.

**Questions:**

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