



Associate of Applied Science in Welding Technology to Bachelor of Arts in Manufacturing Management

**Courses taken at JJC**

**Year One, First Semester**

WLDG 101 Intro to the Welding Processes  
 WLDG 110 SMAW Flat and Horizontal  
 MFG 115 Blueprint Reading  
 MFG 120 Metallurgy  
 ENG 101 Rhetoric

**Year One, Second Semester**

WLDG 120 SMAW Vertical and Overhead  
 GEN ED Social Science: Select from Group II in catalog  
 IMT 122 Industrial Piping Systems\*\*  
 TMAT 107 Technical Math I  
 MFG 101 Precision Machine Tool Tech.  
 EGR 100 Intro to Engineering Graphics

**Year Two, Third Semester**

WLDG 162 GTAW  
 WLDG 166 GTAW Pipe  
 WLDG 140 GMAW  
 WLDG 141 FCAW  
 MATH 128 Elementary Statistics (Sub for TMAT 108)\*\*  
 WLDG 142 GMAW Pipe\*\*

**Year Two, Semester Four**

WLDG 170 SMAW Pipe I 6g Pre. Cert.  
 WLDG 172 SMAW Pipe II 6g Certification  
 MGMT 103 Occupational Safety and Health\*\*  
 CIS 126 Microsoft Office  
 CADD 101 2D Computer Aided Design and Drafting\*\*  
 WLDG 299 Special Topics in Welding\*\*

**Total JJC Credits: 69\***

JJC Faculty Advisor: Greg Foster  
 Office: T-1060  
[gfooster@jjc.edu](mailto:gfooster@jjc.edu)

GSU Advisor: Office of Admission  
 708-534-4490  
[admission@govst.edu](mailto:admission@govst.edu)

**Courses taken at GSU**

ENGL 1010 Composition II - May be taken at GSU or JJC\*\*  
 GEN ED Life Science Course May be taken at GSU or JJC\*\*  
 ACCT 2110 Financial Accounting - May be taken at GSU or JJC\*\*  
 GEN ED Fine Arts Course - May be taken at GSU or JJC\*\*  
 GEN ED Fine Arts or Humanities Course - May be taken at GSU or JJC\*\*  
 GEN ED Humanities Course - 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 -May be taken at GSU or JJC\*\*  
 ECON 2302 Macroeconomics  
 ACCT 2111 Managerial Accounting  
 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: 82-85\***

**Total Degree Credits: 151-154\***

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





\*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 in manufacturing management 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:**

JJC's welding program prepares students for high-demand, high-wage occupations in the industrial welding sector. Students train for careers in the maintenance, structural or pipe welding fields. A welder fuses materials, such as carbon steel, stainless steel and aluminum together to create mechanisms or to fix things that are broken. Basic welding skills are the same across industries, which means that welders can easily shift from one industry or location to another. Job opportunities are best for welders that are trained in the latest technologies. This training can be obtained at JJC's state-of-the-art welding facility. With many welders from the Baby Boomer generation retiring and the manufacturing and construction industry rapidly expanding, there is a high amount of job opportunities for welders. According to the Bureau of Labor Statistics (BLS), hourly salary ranges for a well-trained welder could range from \$19.70 an hour to more than \$30 an hour. Students can take AWS welding certifications for free at JJC as long as they have passed WLDG 101 in addition to a visual and bend test for a particular task in the lab. Students have two times to attempt an AWS welding certification at no charge.

**Questions:**

JJC Faculty Advisor: Greg Foster  
Office: T-1060  
[gfooster@jjc.edu](mailto:gfooster@jjc.edu)

Student Advising Center  
815-280-2673  
[academicadvising@jjc.edu](mailto:academicadvising@jjc.edu)

