

Associate of Applied Science in Welding Technology 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 Welding Technology from JJC and a Bachelors of Arts (BA) degree in Manufacturing Management from GSU.

I. TRANSFERABLE GENERAL EDUCATION: (10 Hours)

Communications (3 hours)

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

Humanities and Fine Arts (0 hours)

Mathematics (4 hours)

MATH 128 - Elementary Statistics (4) (Meets MATH 2100) [Sub for TMAT 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 (44 Hours)

CIS 126 - Microsoft Office (3) (Meets MIS 2101)
EGR 100 - Introduction to Engineering Graphics (1)
TMAT 107 - Technical Mathematics I (3)
MFG 101 - Precision Machine Tool Technology I (4)
MFG 115 - Blueprint Reading for Manufacturing & Welding (3)
MFG 120 - Physical Metallurgy (3)
WLDG 101 - Introduction to the Welding Process (3)
WLDG 110 - SMAW I – Flat and Horizontal (3)
WLDG 120 - SMAW II – Vertical and Overhead (3)
WLDG 140 - GMAW – MIG (3)
WLDG 141 - FCAW (3)
WLDG 162 - GTAW – Mild Steel, Aluminum, Stainless (3)
WLDG 166 - GTAW Pipe (3)
WLDG 170 - SMAW Pipe (3)
WLDG 172 - Pipe 6G Certification (3)

III. ELECTIVES (15 Hours)

Select 15 semester hours from any course listed below, and/or any course in IMT, EEAS, MFG, HVAC, and CADD selected with advisor or program coordinator approval.

WLDG 145 (3), WLDG 299 (3), MATH 119 (3), OPS 111 (3), MGMT 103 (3)

REQUIRED A.A.S. DEGREE PROGRAM TOTAL: 68 Hours (69 hours as written)

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

IV. TO BE TAKEN AT GSU OR JJC (40-43 Hours)

Composition II Course (3) (JJC ENG 102 or GSU ENGL 1010)
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)*
Fine Arts or Humanities 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

(145-148 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

[Visit the College of Business at](http://www.govst.edu/cob)

www.govst.edu/cob

Joliet Junior College

Career and Transfer Center

(815) 280-2449

[Visit Joliet Junior College at www.jjc.edu](http://www.jjc.edu)