

Transfer Guide

Associate of Applied Science in Computer Integrated Manufacturing to Bachelor of Arts in Manufacturing Management

The following is presented as an articulation agreement between Elgin Community College (ECC) 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 from ECC and a Bachelor of Arts (BA) degree in Manufacturing Management from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE (12 Hours)

Communications (6 hours)

- ENG 101 - English Composition I (3)
- ENG 102 - English Composition II (3)

Humanities and Fine Arts (3 hours)

- Humanities, Fine Arts or Interdisciplinary course (3)*

Mathematics (0 hours)

Physical and Life Sciences (0 hours)

Social and Behavioral Sciences (3 hours)

- Social and Behavioral Science Course – Non-Economics (3)*

II. MAJOR REQUIREMENTS (56 Hours)

- CAD 101 - Intro to Engineering Design (4)
- CAD 120 - Intro to Solid Works (3)
- CAD 121 - Advanced Concepts in Solid Works (3)
- CAD 205 - Geometric Dimensioning & Tolerancing (3)
- CAD 208 - Applied Descriptive Geometry & Statistics (4)
- IMT 103 - Industrial Manufacturing Tech I (3)
- IMT 104 - Industrial Manufacturing Tech II (3)
- IMT 107 - Technical Math I (4) OR MTH 107 - Technical Math I (4)
- IMT 110 - Intro to Computer Integrated Mfg (2)
- IMT 111 - Technical Math II (4) OR MTH 109 - Technical Math II (4)
- IMT 112 - Metrology- The Study of Measurement (3)
- IMT 203 - Manufacturing Process & Design Tech (3)
- IMT 220 - Intro to CNC Programming (4)
- IMT 221 - Intro to CNC Toolpath (4)
- IST 105 - Electrical Control Circuits (3)
- IST 120 - Hydraulics (3)
- IST 140 - Programming Controllers I (3)

REQUIRED A.A.S. DEGREE PROGRAM AND GENERAL EDUCATION TOTAL: 68 Hours

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

NOTE: All transfer course work must be completed with a grade of 'C' or higher.



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III. TO BE COMPLETED AT ECC OR GSU (40-44 Hours)

- Business Management (ECC MMT 101 or GSU MGMT 2100) (3)
- Computer Science (ECC CIS 110 or GSU MIS 2101) (3)
- Financial Accounting (ECC ACC 200 or GSU ACCT 2110) (3-4)
- Fine Arts Course (3)*
- Humanities Course (3)*
- Life Science Course (3-4)* [either life or physical science course must contain a lab]
- Macroeconomics (ECC ECN 202 or GSU ECON 2302) (3)
- Managerial Accounting (ECC ACC 240 or GSU ACCT 2111) (3-4)
- Marketing (ECC MKT 103 or GSU MKTG 2100) (3)
- Microeconomics (ECC ECN 201 or GSU ECON 2301) (3)
- Physical Science Course (3-4)* [either life or physical science course must contain a lab]
- Speech Communications (ECC CMS 101 or GSU COMM 1000) (3)
- Statistics (ECC MTH 102 or MTH 120 or GSU MATH 2100) (3-4)*

IV. TO BE TAKEN AT GSU (42 Hours)

Business Core (27 hours)

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| 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)

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| 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

(150-154 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

Elgin Community College

(847) 697-1000

[Visit Elgin Community College at](http://www.elgin.edu)

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