Today’s manufacturing professional use an integrated approach to solving problems. Industry needs technologists that can take a project from the concept stage, through design, analysis, manufacturing & resource scheduling. With an associate’s degree from Oakton's Manufacturing Technology Program, you can make a seamless transfer into DeVry University’s Bachelor of Science in Technical Management Degree Program, with no loss of Oakton Community College credit.

OAKTON COMMUNITY COLLEGE

Area A  Communications          Minimum Credits:
          EGL 101                    3
          One course from EGL 102, EGL 111, EGL 212, SPE 103  3

Area B  Mathematics          MAT 120 recommended  3
Area C  Science          PHY 101 recommended  3
Area D  Social and Behavioral Sciences - One Course  3
Area E  Humanities/Fine Arts - One Course  3
Area F  Contemporary Global Studies - One Course 0-3

Total  General Education  18

Major Requirements:

CAD 116 Beginning AutoCAD  3
CSC 110 or CIS 101 Fundamentals of Computing or Introduction to Computer Information Systems  3
ELT 101 Introduction to Electronics  5
ENG 120 Engineering Graphics  3
MFG 135 Hydraulics, Pneumatics & Controls  3
MFG 140 Introduction to Robotics & Vision Systems  4
MFG 144 Introduction to CNC  4
MFG 165 MasterCAM Computer Aided Manufacturing  4
MFG 240 Programmable Controllers (PLC)  4
Chose one course from the following:
          MFG 145 Advanced CNC Programming - or -
          MFG 250 Advanced PLC/Automation Applications  5

Additional CAD, FME, MEC, MFG, MTA or RFD courses; contact advising and counseling center for a list of acceptable courses 5

Total  Major Requirements  42

Total  Semester Credit Hours:  60

Oakton Community College – Manufacturing Technology

Our goal here at Oakton is to provide high quality, hands-on training in the high tech disciplines required to gain an entry level job position, or to advance in a current position, in a manufacturing or warehouse-distribution organization. All of our instructors have at least 10 years of industry experience in the disciplines they teach. We focus on CNC machining, CNC setup and programming, automation systems design and maintenance, PLC programming and machine control systems, industrial robotics systems, sensor technology, vision systems, and bar code / RFID technologies.

Students that have completed our programs are employed in a wide variety of manufacturing and distribution organizations throughout the north and northwest Chicago area. After graduation they hold technical positions in manufacturing and distribution companies including positions in programming CNC machines for high tolerance part creation, machine design and automation systems integrators, maintenance organizations, and product design groups that require rapid prototyping equipment.

DEVRY UNIVERSITY

Bachelor of Science in Technical Management

A total of 64 credits of junior - and senior - level courses are required for the degree, coupled with 61 credits awarded from the community college level (totaling 125 credit hours). The student may transfer in courses in addition to those in the Oakton Community College AAS degree to bring the total credits transferred to 75% of the degree.

General Education  21 credit hours

CARD 405  Career Development  Required
HUMN 432  Technology, Society & Culture  Required
MATH 114  Algebra for College Students  Required
MATH 221  Statistics for Decision Making  Required

General Education (Upper Division) courses totaling 8 credit hours

Business, Management & Technology  23 credit hours

BIS 150  Advanced PC Applications  Required
BUSN 115  Introduction to Business & Technology  Required
COMP100  Computer Applications for Business  Required
MGMT 303  Principles of Management  Required
MGMT 404  Project Management  Required
ACCT 301  Essentials of Accounting  Recommended

Business, Management or Technology (Upper Division) courses totaling 4 credit hours

Electives (Upper Division)  17 credit hours

Technical Specialty  3 credit hours

BUSN 460  Senior Project (In Residence @ DeVry)  Required