

Prototyping and Reverse Engineering Certificate

Certificate (20 credits)

Required Technical Courses

COCP 2241 Advanced CAD	2
GSTP 1203 Metal Fusion	1
GSTP 1205 Metal Fusion Lab	1
GSTP 1207 Tool Design & Fabrication Theory	1
GSTP 1232 Soldering & Brazing	1
MFGT 2205 Prototyping	5
MFGT 2206 Advanced CAM	3
MFGT 2210 Reverse Engineering	5
MFGT 2215 Manufacturing Doc. & Processing	1

Certificate Total Credits **20**

Suggested Program Sequence

Fall Semester (1st year)

COCP 2241 Advanced CAD	2
GSTP 1203 Metal Fusion	1
GSTP 1205 Metal Fusion Lab	1
GSTP 1232 Soldering & Brazing	1
MFGT 2215 Manufacturing Doc. & Processing	1

Spring Semester (1st year)

GSTP 1207 Tool Design & Fabrication Theory	1
MFGT 2205 Prototyping	5
MFGT 2206 Advanced CAM	3
MFGT 2210 Reverse Engineering	5

****Students will need to have completed the CNC Operations Diploma or instructor validated industry experience prior to enrolling in the Certificate.**

Developmental courses may be required depending on educational background and/or assessment scores. Developmental courses do not fulfill graduation requirements and are required as prerequisites for some courses. The requirements of this program are subject to change without notice.
Effective beginning Fall semester, August 2007 *Approved by PTC Curriculum Committee 03/14/07 and MnSCU Board xx/xx/xx*