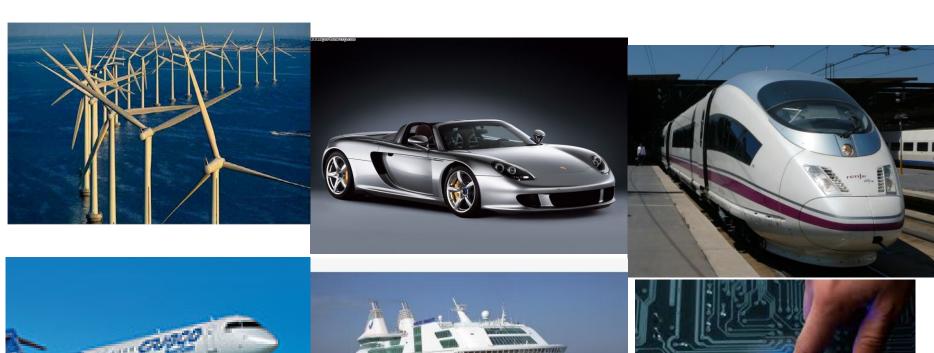
Mechanical & Industrial Engineering Course and Option Talk - Manufacturing







Manufacturing, Mechanics and Design

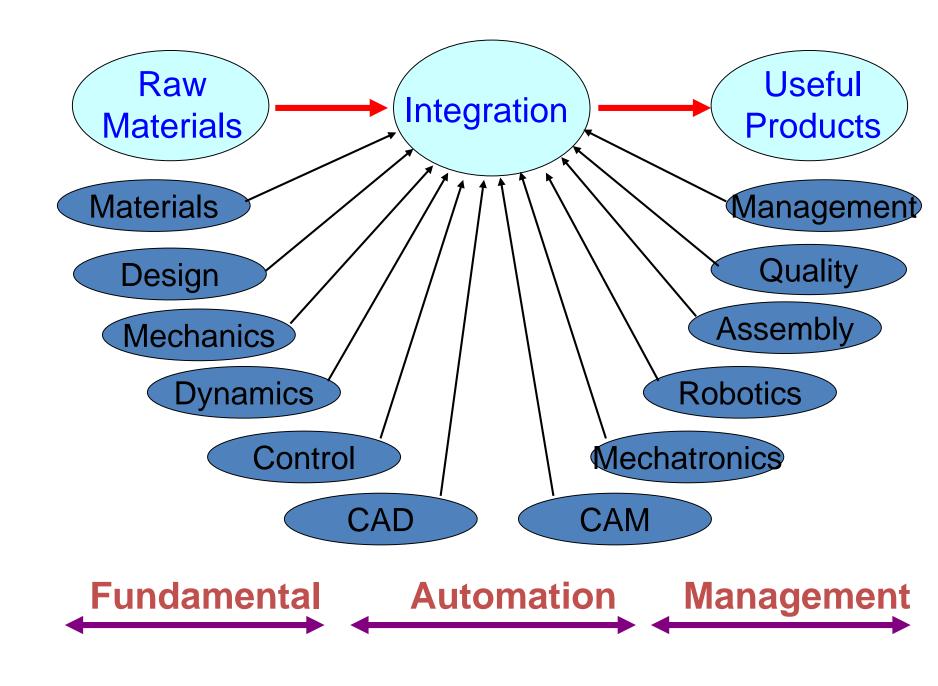
- Design of virtually every product
- Create manufacturing processes and equipment
- Biomechanics as related to medicine and dentistry
- Many fields of graduate research

Manufacturing

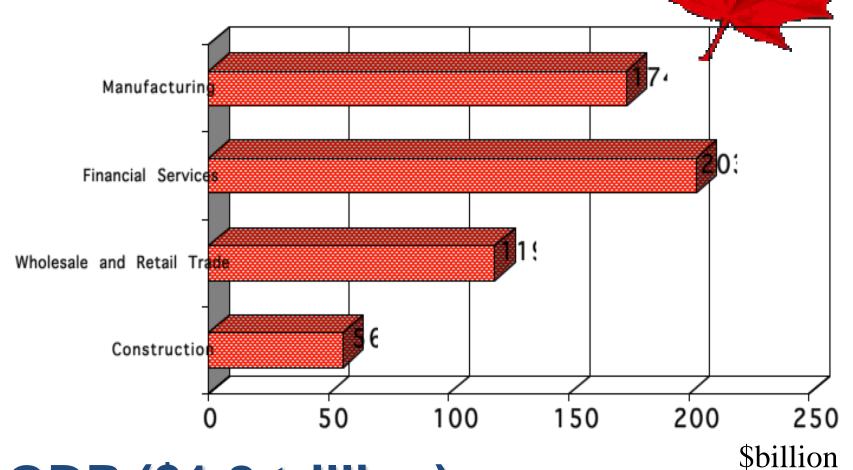
What is Manufacturing?

The transformation of materials and information (technology) into useful products for human beings

- Manufacturing Fields
 - Fundamental Technology
 - Automation
 - Manufacturing Management (Logistics)







GDP (\$1.8 trillion)

3rd Year Curriculum Overview

FALL

- MIE301: Kinematics and Dynamics of Machines
- MIE312: Fluid Mechanics I
- MIE342: Circuits with Applications to Mechanical Engineering Systems
- MIE258: Engineering Economics and Accounting
- Natural science requirement

WINTER

- MIE315: Design for the Environment
- MIE313: Heat and Mass Transfer
- MIE334: Numerical Methods I
- Two stream option courses

4th Year Curriculum Overview

FALL

- MIE491: Capstone Design
- Two stream option courses
- One Technical Elective
- Other: HSS or CS Elective

WINTER

- MIE491: Capstone Design
- MIE519: Advanced Manufacturing
- Three Technical Elective courses
- Other: HSS or CS Elective

Career Opportunities

Employment opportunities exist over a wide range of International and Canadian industry:

- Automotive
- Microelectronics
- Aviation
- Robotics
- Small to Medium Business

For example:

Bombardier, Celestica, General Electric of Canada, General Motors of Canada, Honda of Canada Manufacturing, Motorola Canada, Northern Telecom, Procter and Gamble Canada, Toyota Canada



Manufacturing



Good Luck