

**A (Program Name):**

Mechatronics Engineering

**B (Program Description):**

Mechatronics Engineering is a 4-year program of study at the Department of Computing and Software encompassing studies at other departments, namely Electrical and Mechanical Engineering. This unique program provides an excellent foundation in basic engineering of electro-mechanical devices with a particular emphasis on the software component. Along the course of study the students also acquire a solid foundation of engineering practices and methodologies. The admission is a two-step process: the students are all admitted first to Engineering 1 and then the students apply for admission to their chosen specializations. Successful candidates complete the study with B.Eng. (Bachelor of Engineering) degree, and since Mechatronics Engineering is accredited by Professional Engineers of Ontario (PEO), the students are eligible to directly apply for Professional Engineer (P.Eng.) designation.

**C (Program Specific story):**

Mechatronics Engineering graduates find excellent opportunities in today IT market. The program provides excellent engineering and managerial education and so the graduates find use in technical as well as managerial positions.

**D (Program specific contacts):**

- The associate Chair for Undergraduate Studies: Dr. W. Kahl
- The Undergraduate Advisor for Mechatronics: Dr. M. von Mohrenschildt

**E (Areas of interest):**

Mechatronics Engineering graduates find employment in a wide variety of industries; typically in industrial sectors requiring automation and IT, such as automotive industry, flexible manufacturing, and many other.

**F (Program streams or specialties):**

The program comes in two options: Management and Society. The Management option provides students with knowledge and tools for successful management careers, while the Society option provides students with understanding of a wide variety of social aspects of engineering and their impact on the society, being it the sustainability problem, the climate change problem, or social impact of engineering projects. Each of the options can be coupled with co-op.

**G (Career possibilities):**

Career possibilities typically include design and development positions in software-intensive industries such as automotive industry and manufacturing.

**H (Program Co-op Info):**

<https://www.eng.mcmaster.ca/co-op-career/co-op-program>