

# McMaster University - Self-Guided Engineering Tour

Welcome to the **Faculty of Engineering at McMaster University**.

For information regarding 'Engineering 1' or any of the upper year programs offered by McMaster Engineering, please refer to our "Explore Engineering @ McMaster" booklet (available in JHE A214 – Engineering Student Services).



Your tour begins in the John Hodgins Engineering Building in the **Engineering Student Services** & Associate Dean's office. This is like a home base for first year students and includes support from Academic Advisors, Engineering Co-op & Career Services Staff and Administrators for the Engineering & Management, Engineering & Society, and Engineering & International Studies.

Directly outside the Engineering Student Services office is a staircase. Please head up one level where you will go through doors where you will see the **Engineering Physics Department** office (JHE A315). After first year, you will have a department office like this one for students in your program to get help with any academic issues or questions. If you have any specific questions about a program, feel free to drop in and ask the departmental office staff along the way.

At the end of this hallway, you will notice a room with a yellow window (JHE A306). This is the Optoelectronic Device Processing Room. This lab is called a "clean room" because you must wear protective clothing to avoid dust, hair, static, etc. It is generally used for nanotechnology or electronics dealing with devices that generate, transform, transmit, or sense optical infrared or ultraviolet radiation, such as liquid crystal displays, lasers, and solar cells.



Follow the hallway, through the double doors, and notice the **Mechanical Engineering Department** office (JHE 316) and the **Civil Engineering Department** office (JHE 301).

At the top of the main staircase is a large lecture hall (JHE 376). This lecture hall seats approximately 300 people and would be the largest engineering lecture that you would have. Tutorials and labs are where students receive one-on-one time. Tutorials are generally 15 to 20 students in size and are led by well-trained senior students, called Teaching Assistants or "TAs".

You will also find the **Chemical Engineering Department** (JHE 374) and the **Materials Engineering Department** offices (JHE 357) on this floor. If you are interested in finding out more about one of our departments/programs, you may want to stop in and say 'hello'. Most departments have brochures about their programs in their offices.



Take the main JHE stairs down one level to the second floor, which brings you to the University Technology Services computer labs (JHE 234). Across the hall from these labs you'll see the Office of the Dean (JHE 261). You can find another lecture hall (200 seats) used in first year courses in JHE 264.



Follow the hallway to JHE 213/214, and stop before going through the double doors to the Annex. On your right there is a staircase which you can take down one level to the first floor. At the bottom of the staircase, turn left and go through double doors to see the MMRI.

The McMaster Manufacturing Research Inst. or MMRI (JHE 109A) is one of Canada's most advanced and well equipped research laboratories, combining research excellence with state-of-the-art equipment to meet the research and development needs of leading manufacturers.

Across from the MMRI, you will notice the Polymers laboratory (JHE 109) and the aero-acoustics laboratory (JHE 108A). Also, the Manufacturing lab is down the hall in JHE 112. Continuing to the left and through the next set of doors, where you will enter the Main Lobby of JHE. If you wish, check out the BLUE Lounge (JHE 121), which is purely a Mac Eng student domain.

### Check out our other facilities!

#### Engineering Technology Building – ETB

First year Eng classrooms (ETB 124 & 126) and the Elliptical Lab (ETB 118). First year design & graphics and computer programming are taught in this modern designed lab. One of only four North America. There are also Bachelor of Technology labs and classrooms throughout ETB. **B.Tech. Questions?** Visit ETB 225.



#### Information Technology Building – ITB

Feel free to drop by the **Electrical and Computer Engineering** office (ITB A110) or the **Computing and Software Department** office (ITB 202) to inquire about their programs. First year programming courses are taught in a large lecture hall (ITB 137) which is across from the Virtual Reality Simulator (ITB 158), used in Software Engineering (Game Design) and for traffic or flight simulation.

**Arthur Bourns Building – ABB** Each of the four undergraduate chemistry laboratories (ABB 122) on all three floors offer up to 15 double-sided fume hoods to allow for more in-depth lab work in a safe environment. This controlled setting mirrors what would be found in a real research laboratory.

**Thode Engineering & Science Library** There are 4 libraries on campus; Mills Library, Innis Business Library, Health Sciences Library, and **Thode Engineering & Science Library**. **Highlights:** Learning Commons with high-end computer workstations/ multimedia pods, wireless networking & laptops, small group study spaces and a café. Quiet study space and a multi-faith prayer area in lower level. This is a great meeting and study place for engineering students.



**Thank-you for taking this tour!**  
**Questions?** Contact us at [goeng1@mcmaster.ca](mailto:goeng1@mcmaster.ca) or (905) 525-9140 ext. 27174.