

## 244.A1 ENGINEERING TECHNOLOGIES ( Photonics) - **EEE-A**

### Program planner for Fall 2024 or Later - John Abbott College

The following planner indicates all the courses needed and the usual path to complete your DEC in this program.

| First semester |                            |
|----------------|----------------------------|
| 603-101-MQ     | ENGLISH                    |
| 345-1__-MQ     | HUMANITIES                 |
| 109-1__-MQ     | PHYSICAL EDUCATION         |
| 201-115-AB     | Mathematical Models I      |
| 244-105-AB     | Introduction to Technology |
| 244-113-AB     | Circuit Assembly           |
| 244-124-AB     | Electric Circuits          |
| 244-144-AB     | Light and Sound            |

| Second semester |                        |
|-----------------|------------------------|
| 603-1__-MQ      | ENGLISH                |
| 345-1__-MQ      | HUMANITIES             |
| 201-225-AB      | Mathematical Models II |
| 244-204-AB      | Design and Simulation  |
| 244-225-AB      | Electronic Circuits    |
| 244-235-AB      | Control Logic          |
| 244-255-AB      | Matter and Heat        |

| Third semester |                                  |
|----------------|----------------------------------|
| 603-1__-MQ     | ENGLISH                          |
| 109-1__-MQ     | PHYSICAL EDUCATION               |
| 602-C0_-MQ     | Français bloc C                  |
| 244-315-AB     | Workshop Techniques              |
| 244-335-AB     | Introduction to Control Systems  |
| 244-345-MQ     | Applied Physics Technologies     |
| 244-355-AB     | Thermodynamics and Heat Transfer |
| 244-374-AB     | Introduction to Optics           |

| Fourth semester |                            |
|-----------------|----------------------------|
| 602-1__-MQ      | FRENCH                     |
| 602-D0_-MQ      | Français bloc D            |
| 244-414-AB      | Management and Maintenance |
| 244-435-AB      | Automation and Control     |
| 244-446-AB      | Motion and Energy          |
| 244-465-AB      | Thermal Applications       |
| 244-475-AB      | Materials                  |

| Fifth semester |                  |
|----------------|------------------|
| 603-200-AB     | ENGLISH          |
| 345-2__-AB     | HUMANITIES (ENG) |
| 602-E0_-MQ     | Français bloc E  |
| 244-536-AB     | Robotics         |
| 244-555-AB     | Energy Analysis  |
| 244-576-AB     | Advanced Optics  |
| 244-586-AB     | Project 1        |

| Sixth semester |                               |
|----------------|-------------------------------|
| 602-2__-AB     | FRENCH                        |
| 109-103-MQ     | PHYSICAL EDUCATION            |
| 244-635-AB     | Data Acquisition and Analysis |
| 244-644-AB     | New Technologies              |
| 244-684-AB     | Opto-electronics              |
| 244-686-AB     | Project 2                     |
| 244-696-AB     | Photonics                     |

- Your choice of either 602-C01-MQ/ 602-C02-MQ will be determined by the results of your French placement exam
- Your choice of either 602-D01-MQ/ 602-D02-MQ will be determined by the results of your French placement exam
- Students who require a *mise à niveau* English or French course will be required to pass it before they can take their introductory course in English or French.
- Students will be required to pass a Ministerial Exam of Language of Instruction and a Program Comprehensive Assessment.
- All program courses are sequential and require the preceding level course as a pre-requisite.
- For course prerequisites, see the Course Calendar or Schedule of Classes. Both are available at [www.johnabbott.qc.ca](http://www.johnabbott.qc.ca)