**AEROSPACE ENGINEERING**

**NON-CREDIT PROGRAM WITH TRANSCRIPT**

**DATES**

July 27 - August 14, 2020 (3 weeks)

**COURSES**

1. **FUNDAMENTALS OF AEROSPACE METALLIC MATERIALS (30 HOURS)**
   This course will present the fundamentals of metals as a material, light metals and super alloys as they are widely used in aerospace design, as well as hot working of metals. It offers 15 hours of labs as part of the 30 contact-hours.

2. **INTRODUCTION TO ENGINEERING DESIGN OPTIMIZATION (15 HOURS)**
   This course will present basic optimization theory, algorithms and computational tools for engineering design. The student will learn to develop proper mathematical models to formulate design optimization problems and choose/apply appropriate optimization algorithms to solve them.

3. **BASIC PRINCIPLES OF PROJECT MANAGEMENT (15 HOURS)**
   This course addresses fundamental project management principles and techniques and introduces tools and templates that can be immediately applied to address real life project situations. Participants learn how to clearly define a project outcome in terms of client and stakeholder expectations, how to develop a project charter, and how to create and monitor a project plan using MS Project 2010 software in a hands-on laboratory setting.

*These courses are non-credit. A McGill Record of Study will be issued for these courses. The language of instruction is English (TOEFL 550+ - paper-based or equivalent). Courses can be taken individually.*

**FEES**

- Tuition Fees: $2610 CAD
- Ancillary Fees: $385 CAD
- Total Program Fees: $2995 CAD (≈ $2260 USD*)

*Fees include:
- International Health Insurance (for non-Canadian residents)
- Course material
- McGill Record of Study
- Attestation of Completion of Program
- Orientation session
- Welcome and Farewell receptions

Optional:
- Accommodation (Double Occupancy): $825 CAD ($625 USD*)
- Cultural and social activities (Fees to be announced)

Not included:
- Meals

*Invoicing is in Canadian dollars, USD pricing based on the June 11 2019 rate is for comparative purposes only and is subject to change.