



## Department of Electrical and Computer Engineering

401 Sunset Avenue, Windsor  
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ece@uwindsor.ca

### 2022 WINTER OVERLOAD/SESSIONAL APPOINTMENTS

In accordance with section 54:07 of the 2017-2021 Collective Agreement the Windsor University Faculty Association (WUFA), Department of Electrical and Computer Engineering invites applications from qualified individuals interested in teaching the following course(s), subject to final budgetary approval, course enrollment and appointment of new full-time faculty.

Applicants are required to review University of Windsor Senate Bylaw 51 (Academic Evaluation Procedures) and Article 5:23 to 5:25 of the Collective Agreement with WUFA. Full documentation is available online by visiting the University of Windsor website ([www.uwindsor.ca](http://www.uwindsor.ca)).

#### GENG-4500 – Artificial Intelligence and Machine Learning

This course is an introduction to the area of Artificial Intelligence and designing intelligent machines. Artificial intelligence aims to understand thinking and intelligence in ways that enable the construction of computer systems that are able to reason in uncertain environments. Work in AI has supported the development of driverless cars and house-cleaning robots as well as systems that have defeated world chess champions and planned space explorations. The course has three core sections: search, representation, and uncertainty. Each section will provide a thorough understanding of major approaches, representational techniques and core algorithms. Students completing this course will have an in-depth understanding of three core areas of AI and the connections among them, and with such other key AI areas as machine learning, robotics, natural language processing and multi-agent systems.

(3 lecture hours a week) (Section 60: Course for BEng Tech Students)

#### GENG-8030 – Computational Method & Modeling for Engineering

This course covers the basics of computational analysis for real-world engineering applications. Students will learn the fundamentals of programming and modeling with MATLAB. Topics include: Computational Methods, Model Building, for Engineering Projects, Hardware for Real-time Testing, Data Acquisition from Sensors. Students will complete a real-world project in the areas of their interests.

(3 lecture hour a week)

*Please be aware that this course posting may require the course to be offered using alternative learning technology in an online environment. Unless otherwise noted, the mode of delivery is subject to change. To learn about what resources are available to learn about and use these technologies please contact the Office of Open Learning or the Centre for Teaching and Learning.*

*Please be aware that the University of Windsor is planning for face-to-face delivery of the following courses in Winter 2022. However, the University may opt to offer any course using alternative learning technology in an online environment.*

*The University has a vaccination [policy](#) in place. Per the policy, after October 21, 2021 all UWindsor employees, students, contractors and visitors must be fully vaccinated, or, partially vaccinated and awaiting eligibility for their second dose, or have an approved exemption from the vaccination policy to be able to attend campus. Any individuals who must attend campus are required to wear a non-medical mask when entering all campus buildings and in common areas where physical distancing is difficult. Self-screening prior to arrival on-campus through the [Safe Lancer App](#) is mandatory. For additional information, please visit [Return to Campus](#) webpage.*

Applicants who wish to be considered for the privilege of Employment Equity need to self-identify themselves as members of the Targeted groups. With the exception of exemptions identified under Section 54:08 (a) of the WUFA Collective Agreement, all applicants are required to submit official teaching evaluations (SET scores) or equivalent of all courses they have taught along with an updated CV. Only applicants with a background in **Electrical & Computer Engineering or related fields** will be considered. Applicants who have not taught previously in the Department will be asked to complete an Engineering Academic Application for Employment and will be required to submit three (3) letters of reference and teaching evaluations to:

**Dr. Behnam Shahrrava,**  
Department Head  
Department of Electrical & Computer Engineering  
Faculty of Engineering, University of Windsor, Windsor, Ontario, N9B 3P4  
EMAIL: [ece@uwindsor.ca](mailto:ece@uwindsor.ca)

**Closing date for applications: Monday November 29<sup>th</sup>, 2021 at 4:00 pm**  
**Please note that only successful candidates will be contacted.**

The University of Windsor is committed to employment equity and welcomes applications from Aboriginal Peoples, persons with disabilities and members of visible minorities. Applications from women are particularly encouraged. Applicants who wish to be considered for the privilege of Employment Equity need to self-identify themselves as a member of the targeted groups. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.

For additional information, please contact the Department of Electrical and Computer Engineering ([ece@uwindsor.ca](mailto:ece@uwindsor.ca)).

#### Distribution:

Dr. B. Van Heyst, Dean, Faculty of Engineering  
Dr. M. Ahmadi, Associate Dean, Research & Grad Studies, Engineering  
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