



COMPUTATIONAL ARTIFICIAL INTELLIGENCE (CERTIFICATE)

Description

The Graduate Certificate in Artificial Intelligence (AI) is designed to equip both current and aspiring computing professionals with a foundational understanding of AI along with a practical proficiency in exploiting AI technologies in the context of their respective fields. The courses in this certificate cover core AI topics such as an introduction to AI, constraint processing, machine learning, deep learning, natural language processing, data mining, game theory, and information retrieval. Students can also study AI applications in areas such as computer systems, robotics, networking, data analytics, healthcare, finance, and bioinformatics.

Program-Related Information

Graduate Chair

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Support Staff

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Program Website

<https://computing.unl.edu/graduate/>

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with \$50 non-refundable application fee (<https://graduate.unl.edu/admissions/requirements/#appfee>).
- Transcripts (<https://graduate.unl.edu/admissions/requirements/#transcripts>) (unofficial): Uploaded as part of application form.

If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.

After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.

- If applicant's native language is not English, verification of English proficiency (<https://graduate.unl.edu/admissions/english-proficiency/>) is required.
When sending TOEFL scores, our institution code is 6877 and a department code is not needed.
- If applicant is not a US citizen and expects an F or J visa: financial information (<https://graduate.unl.edu/prospective/international/financial/>).
- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

The Graduate Certificate in AI follows and meets all the requirements of graduate admission as specified by the Office of Graduate Studies, including a baccalaureate degree and English language proficiency. In addition, a B.S. degree in Computer Science, Computer Engineering, Software Engineering, Data Science, or equivalent is required. Students without B.S. degree in computing related 3 areas, but with proficiency in at least one high-level programming language, must take CSCE 802: Data Structures and Algorithms for Informatics prior to taking any required or elective courses in the graduate certificate. All courses are offered by the School of Computing (SoC) Graduate Program.