

APPLIED AI, CERTIFICATE IN (GRADUATE CERTIFICATE)

The purpose of the Certificate in Applied AI is to provide students with the knowledge and skills needed to understand, evaluate and apply artificial intelligence, responsibly and strategically, within their professional fields. Students will develop skills in ethical reasoning, applied problem solving and critical thinking. The certificate program is designed to emphasize a non-programming approach to designing value-driven AI solutions for real-life business problems. Students will understand how modern artificial intelligence and machine learning systems operate and how to evaluate their appropriate uses. Graduates of the certificate program will be prepared to incorporate artificial intelligence into professional practice while navigating the ethical and practical challenges associated with emerging technologies.

Student learning outcomes

- Evaluate and employ foundational technical concepts of AI, such as machine learning, neural networks, and large language models
- Analyze the ethical, legal, and societal implications of current and emerging AI models and policy
- Integrate knowledge of AI from a range of perspectives to evaluate the benefits and limitations of AI solutions
- Apply knowledge of AI to develop effective and responsible solutions for complex problems

VCU Graduate Bulletin, VCU Graduate School and general academic policies and regulations for all graduate students in all graduate programs

The VCU Graduate Bulletin website documents the official admission and academic rules and regulations that govern graduate education for all graduate programs at the university. These policies are established by the graduate faculty of the university through their elected representatives to the University Graduate Council.

It is the responsibility of all graduate students, both on- and off-campus, to be familiar with the VCU Graduate Bulletin as well as the Graduate School website (<http://www.graduate.vcu.edu/>) and academic regulations in individual school and department publications and on program websites. However, in all cases, the official policies and procedures of the University Graduate Council, as published on the VCU Graduate Bulletin and Graduate School websites, take precedence over individual program policies and guidelines.

Visit the [academic regulations section for additional information on academic regulations for graduate students.](https://bulletin.vcu.edu/academic-regs/) (<https://bulletin.vcu.edu/academic-regs/>)

Graduation requirements

As graduate students approach the end of their academic programs and the final semester of matriculation, they must make formal application to graduate. No degrees will be conferred until the application to graduate has been finalized.

Graduate students and program directors should refer to the following graduation requirements as published in the Graduate Bulletin for a complete list of instructions and a graduation checklist.

Visit the [academic regulations section for additional information on graduation requirements.](https://bulletin.vcu.edu/academic-regs/grad/graduation-info/) (<https://bulletin.vcu.edu/academic-regs/grad/graduation-info/>)

Apply online today. (<https://www.vcu.edu/admissions/apply/graduate/>)

Admission requirements

Degree:	Semester(s) of entry:	Deadline dates:	Test requirements:
Certificate	All	Rolling admissions made on a space-available basis	

All applicants to the graduate certificate program are required to meet the **admission requirements of the VCU Graduate School.**

This certificate does not require letters of recommendation or a personal statement to apply. GPA below a 3.0 threshold will be considered given the applied nature of the program.

Curriculum requirements

Course	Title	Hours
Required courses		
IDAI 600	AI Foundations and Applied Strategy	3
PHIL 600	Artificial Intelligence and Ethical Problem Solving	3
Restricted electives		
Select two courses from the following:		6
ADMS 781	Educational Policy and Leadership for AI and Other Emerging Technologies	
CMSC 536	Applied Artificial Intelligence	
EDUS 668	Applied Machine Learning in Education Research	
ENGL 622	AI Studies	
HGEN/OVPR 611	Data Science I	
HGEN/OVPR 612	Data Science II	
INNO 510	AI Governance and Enterprise Adoption	
MASC 603	AI and Communication	
MATH 511	Applied Linear Algebra	
POLI 593	AI Governance and Ethics	
Total Hours		12

Students who complete the requirements for this program will receive a Certificate in Applied AI.

Contact

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