

# PRACTICAL AI, MINOR IN

The minor in practical AI helps students understand and apply AI to their chosen field and careers. Combining foundational course work in the technology and ethics of AI with classes from a variety of disciplines, the minor is applicable and accessible to all students at VCU.

The minor consists of 18 credit hours. Students must achieve an overall GPA of 2.0 in all courses counted toward the minor.

Course	Title	Hours
<b>Required courses</b>		
CMSC 225 or MATH 170	Essentials of Artificial Intelligence The Language of Artificial Intelligence	3
IDST 370	Practical AI Synthesis	3
PHIL 202	Ethics of Artificial Intelligence	3
<b>Electives</b>		
Choose nine credits from at least two of the following categories (at least six credits must be 300 level or higher).		9
<b>STEM</b>		
CMSC 225 or MATH 170	Essentials of Artificial Intelligence The Language of Artificial Intelligence	
ENGR 125	Practical Artificial Intelligence	
ENGR 126	Vibe Coding with AI	
HPEX 305	Artificial Intelligence for Health Promotion and Disease Prevention	
MATH 370	Mathematical Foundations for Artificial Intelligence	
<b>Humanities and social sciences</b>		
ANTH 336	Language, Society, and AI: Sociolinguistic Perspectives	
HUMS 392	Topics in AI	
MASC 311	AI in Mass Media	
MASC 312	Creativity With AI	
MASC 313	Strategic Communication With AI	
MASC 314	Storytelling With AI	
PHIL 332	Philosophy of Artificial Intelligence	
STAT 421	Statistical Computing for Machine Learning and Artificial Intelligence	
<b>Business and administration</b>		
BUSN 320	AI in Business	
INFO 292	Data Preparation for AI	
INFO 320	Artificial Intelligence for Business Intelligence	
INFO 452	AI Services for Business	
INFO 462	Design of AI Systems	
<b>Learning &amp; Education</b>		
EDUS 268	Artificial Intelligence and Machine Learning in Education	
ENVS 225	Personal Knowledge Management: Building Your AI-Supported Second Brain	
<b>Total Hours</b>		<b>18</b>

CMSC 225 or MATH 170 and PHIL 202 should be completed at the beginning of the minor, while IDST 370 should be completed at the end.

Students may choose CMSC 225 or MATH 170 as an elective if they do not take it as a required course.

In some of the minor categories, a student may substitute an internship, co-op, undergraduate research, study abroad or vertically integrated project for the required three credits with the approval of the interdisciplinary studies program director. Additional special topics or new courses may be substituted if appropriate. Students should discuss such substitutions with the interdisciplinary studies program director prior to enrolling in the substitute course.

Some courses have restrictions and/or prerequisites. Students should work with their adviser to plan the best courses for them, including possible overrides.