

Course Listings

2025-2026 Graduate Course Offerings

Below is a list of graduate courses currently scheduled to be offered beginning in Fall 2025. For course descriptions, please refer to the [UCR General Catalog](#). Offerings from previous years can be viewed in our [Archive](#).

Only approved **undergraduate technical elective** courses are applicable toward your degree.
Please note: Course offerings, available sections, and instructor assignments are subject to change without notice.

Course	Course Title	Fall 2025	Winter 2026	Spring 2026
CS 201	Compiler Construction	Rajiv Gupta	Zhijia Zhao	
CS 202	Advanced Operating Systems	Cong Liu (ECE Faculty)	Chengyu Song	Trent Jaegar
CS 203	Advanced Computer Architecture	Hung-Wei Tseng (ECE Faculty)		Nael Abu-Ghazaleh
CS 204	Advanced Computer Networks	Zhaowei Tan		
CS 205	Artificial Intelligence	Paea LePendu	Yue Dong	Eamonn Keogh
CS 206	Advanced Software Testing and Analysis		Qian Zhang	
CS 208	Cloud Computing and Cloud Networking		K.K Ramakrishnan	
CS 210	Scientific Computing	Tamar Shinar		
CS 212	Data Science Ethics		Mariam Salloum	
CS 213	Multiprocessor Architecture and Programming	Elaheh Sadredini		Bingyao Li
CS 214	Parallel Algorithms			Yihan Sun
CS 215	Theory of Computation	Marek Chrobak		
CS 216	Cryptography			Silas Richelson
CS/EE 217	GPU Architecture and Parallel Programming	Bingyao Li		
CS 218	Design and Analysis of Algorithms	Mingxun Wang	Marek Chrobak	Yan Gu
CS 219	Advanced Algorithms			
CS 220	Synthesis of Digital Systems			Wantong Li
CS 222	Natural Language Processing			Yue Dong
CS 224/EE 242A	Foundations of Machine Learning	Salman Asif (ECE Faculty)	Greg Ver Steeg	
CS 225	Spatial Data Modeling and Analysis			
CS 226	Big-Data Management		Ahmed Eldawy	
CS/EE 228	Deep Learning		Yinglun Zhu (ECE faculty)	Zhouxing Shi
CS 229/EE 242B	Advanced Machine Learning			Greg Ver Steeg
CS 230	Computer Graphics		Craig Schroder	
CS 231	Computer Animation			Craig Schroder
CS 234	Computational Methods for Biomolecular Data	Stefano Lonardi		
CS 235	Data Mining Techniques	Mariam Salloum		Vagelis Papalexakis
CS 236	Database Management Systems	Vassilis Tsotras		
CS 238	Algorithmic Techniques in Computational Biology			Tao Jiang
CS 239	Performance Evaluation of Computer Networks	Srikanth Krishnamurthy		
CS 242	Information Retrieval and Web Search		Vagelis Hristidis	
CS 249	Advanced Topics in Program Analysis			Manu Sridharan
CS 250	Software Security			Heng Yin
CS 251/EE 255	Real-Time Embedded Systems		Hyoseung Kim (ECE faculty)	
CS 252A/EE 251A	Data Analytics and Exploration		Weizi Li	
CS 254	Network Security			Emiliano De Cristofaro
CS 255	Computer Security	Chengyu Song		
CS 257	Wireless Networks and Mobile Computing		Zhaowei Tan	
CS 258/EE 227	Introduction to Reinforcement Learning	Ioannis Karamouzas		
CS 260	Seminar in Computer Science	Jay Lim		Emiliano De Cristofaro
CS 260	Seminar in Computer Science	Zhouxing Shi	Marek Chrobak	
CS/EE 277	Data Centric Computer Architecture		Hung-Wei Tseng (ECE faculty)	
CS 279	Capstone Project Data Science	Amr Magdy		
CS 287	Colloquium in Computer Science	Ahmed Eldawy	Ahmed Eldawy	Ahmed Eldawy
CS 302	Teaching Practicum	Zhiyun Qian	Zhiyun Qian	Zhiyun Qian

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