



2019 – 2020 Undergraduate Course Offerings

Below is a list of undergraduate courses currently scheduled to be offered starting in Fall 2019. Please refer to the [UCR General Catalog](#) for course descriptions.

Note: Course offerings, available sections and professor assignments are subject to change without notice. Additional courses may be added, please check again later to see if there are any other courses you would like to take.

Fall 2019

ENGR001	Professional Development and Mentoring	Prof. LePendu, P.
ENGR180	Technical Communications	Burton, S. & Graham, B.
CS005	Introduction to Computer Programming	Romanous, B. and Davanian, A.
CS006	Effective Use of the World Wide Web	Rahman, L. and Goulding, J.
CS008	Introduction to Computing	Gustafson, T.
CS009P	Introduction to Python Programming with Applications	Miller, K.
CS010	Intro to Computer Science for Science, Mathematics, & Engineering	Downey, K., Dhakal, A., Rusich, R. and Prof. Vahid, F.
CS011	Introduction to Discrete Structures	(see MATH Department)
CS012	Intro to Computer Science for Science, Mathematics, & Engineering II	Miller, K.

Fall 2019

CS014	Introduction to Data Structures and Algorithms	Prof. Hristidis, V. and Dr. McDaniel, J.
CS061	Machine Organization and Assembly Language Programming	Dr. Linard, B. and Downey, K.
CS100	Software Construction	Dr. Crites, B.
CS111	Discrete Structures	Dr. Strzheletska, E.
CS120A	Logic Design	Cook, Chase (ECE instructor)
CS120B	Introduction to Embedded Systems	Dr. McDaniel, J.
CS122A	Intermediate Embedded and Real-Time Systems	Dr. McDaniel, J.
CS130	Computer Graphics	Prof. Schroeder, C.
CS135	Virtual Reality	Prof. Chen, J.
CS141	Intermediate Data Structures and Algorithms	Prof. Magdy, A.
CS150	Automata and Formal Languages	Dr. LePendou, P.
CS152	Compiler Design	Prof. Zhao, Z.
CS153	Design of Operating Systems	Prof. Song, C.
CS160	Concurrent Programming and Parallel Systems	Prof. Lesani, M.
CS161	Design and Architecture of Computer Systems	Prof. Najjar, W.
CS164	Computer Networks	Prof. Ramakrishnan, K.
CS166	Database Management Systems	Prof. Ravishankar, C.
CS170	Introduction to Artificial Intelligence	Prof. Keogh, E.
CS171	Introduction to Machine Learning and Data Mining	Prof. Shelton, C.
CS172	Introduction to Information Retrieval	Dr. Salloum, M.
CS179F	Operating Systems	Prof. Qian, Z.
CS179G	Database Systems	Prof. Salloum, M.

Fall 2019

CS180	Introduction to Software Engineering	Prof. Sridharan, M.
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Winter 2020

ENGR101	Professional Development and Mentoring	Dr. LePendou, P.
ENGR180	Technical Communications	Burton, S. & Graham, B.
CS005	Introduction to Computer Programming	Romanous, B. and Prof. Salloum, M.
CS006	Effective Use of the World Wide Web	Rusich, R.
CS008	Introduction to Computing	Gustafson, T.
CS009P	Introduction to Python Programming with Applications	Dr. Crites, B.
CS010	Intro to Computer Science for Science, Mathematics, & Engineering	Downey, K. and Prof. Vahid, F
CS011	Introduction to Discrete Structures	(see MATH Department)
CS012	Intro to Computer Science for Science, Mathematics, & Engineering II	Dr. McDaniel, J. and Miller, K.
CS014	Introduction to Data Structures and Algorithms	Dr. McDaniel, J.
CS061	Machine Organization and Assembly Language Programming	Downey, K. and Dr. Linard, B.
CS100	Software Construction	Dr. Crites, B.
CS105	Introduction to Data Science	Prof. Salloum, M.
CS111	Discrete Structures	Dr. Strzheletska, E.
CS120A	Logic Design	Cook, Chase (ECE instructor)
CS120B	Introduction to Embedded Systems	Prof. Brisk, P.
CS130	Computer Graphics	Prof. Shinar, T.
CS135	Virtual Reality	Prof. Chen, J.

Winter 2020

CS141	Intermediate Data Structures and Algorithms	Prof. Eldawy, A.
CS150	Automata and Formal Languages	Prof. Jiang, T.
CS152	Compiler Design	Prof. Gupta, R.
CS153	Design of Operating Systems	Prof. Abu-Ghazaleh, N.
CS160	Concurrent Programming and Parallel Systems	Prof. Chen, Z.
CS161	Design and Architecture of Computer Systems	Prof. Najjar, W.
CS161L	Laboratory in Design and Architecture of Computer Systems	Dr. McDaniel, J.
CS165	Computer Security	Prof. Qian, Z.
CS166	Database Management Systems	Prof. Tsotras, V.
CS168	Introduction to Very Large Scale Integration Design	Prof. Tan, S. (ECE faculty)
CS169	Mobile Wireless Networks	Prof. Krishnamurthy, S.
CS171	Introduction to Machine Learning and Data Mining	Prof. Papalexakis, E.
CS179I	Networks	Prof. Faloutsos, M.
CS179E	Compilers	Prof. Lesani, M.
CS179F	Operating Systems	Prof. Heng, Y.
CS182	Software Testing and Verification	Prof. Sridharan, M.

Spring 2020

ENGR180	Technical Communications	Burton, S. & Graham, B.
CS005	Introduction to Computer Programming	Romanous, B and Dr. Salloum, M.
CS006	Effective Use of the World Wide Web	Rusich, R.
CS008	Introduction to Computing	Gustafson, T.

Spring 2020

CS009P	Introduction to Python Programming with Applications	Miller, K.
CS010	Intro to Computer Science for Science, Mathematics, & Engineering	Downey, K. and Prof. Vahid, F
CS011	Introduction to Discrete Structures	(see MATH Department)
CS012	Intro to Computer Science for Science, Mathematics, & Engineering II	Miller, K.
CS014	Introduction to Data Structures and Algorithms	Dr. LePendu, P. and Dr. Strzheletska, E.
CS061	Machine Organization and Assembly Language Programming	Downey, K. and Dr. Linard, B.
CS100	Software Construction	Dr. Crites, B.
CS111	Discrete Structures	Dr. Strzheletska, E.
CS120A	Logic Design	Tseng, H.
CS120B	Introduction to Embedded Systems	Prof. Brisk, P.
CS133	Computational Geometry	Prof. Eldawy, A.
CS141	Intermediate Data Structures and Algorithms	Dr. Strzheletska, E.
CS145	Combinatorial Optimization Algorithms	Prof. Richelson, S.
CS147	GPU Programming	Prof. Wong, D. (ECE faculty)
CS150	Automata and Formal Languages	Prof. Jiang, T.
CS152	Compiler Design	Prof. Gupta, R.
CS153	Design of Operating Systems	Prof. Heng, Y.
CS161	Design and Architecture of Computer Systems	Prof. Chen, Z.
CS161L	Laboratory in Design and Architecture of Computer Systems	Dr. McDaniel, J.
CS165	Computer Security	Prof. Song, C.
CS166	Database Management Systems	Prof. Ravishankar, C.

Spring 2020

CS172	Introduction to Information Retrieval	Prof. Christidis, E.
CS173	Introduction to NLP	Dr. LePendu, P.
CS175	Entrepreneurship in Computing	Prof. Faloutsos, M.
CS179J	Computer Architecture and Embedded Systems	Dr. McDaniel, J.
CS179N	Computer Graphics and Games	Prof. Shinar, T.
CS180	Introduction to Software Engineering	Prof. Zhao, Z.
CS183	UNIX System Administration	Dr. Crites, B.

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