Below is a list of undergraduate courses currently scheduled to be offered starting in Fall 2017. Please refer to the UCR General Catalog for course descriptions.

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

### FALL 2017

**ENGR 001G**  Professional Development and Mentoring – Prof. Chen, J.

**ENGR 101**  Professional Development and Mentoring – Prof. Payne, T.

**ENGR 180**  Technical Communications – Burton, S. & Graham, B.

**CS 005**  Introduction to Computer Programming – Prof. Payne, T. and Dr. Linard, B.

**CS 006**  Effective Use of the World Wide Web – Rahman, Md. L. and Goulding, J.

**CS 008**  Introduction to Computing – Gustafson, T.

**CS 010**  Intro to Computer Science for Science, Mathematics, & Engineering – Miller, K., Downey, K. and Dhakal, A.

**CS 011**  Introduction to Discrete Structures – Prof. Greenstein, J. (MATH Department)

**CS 012**  Intro to Computer Science for Science, Mathematics, & Engineering II – Miller, K.

**CS 014**  Introduction to Data Structures and Algorithms – Prof. Eldawy, A.

**CS 061**  Machine Organization and Assembly Language Programming – Dr. Linard, B.

**CS 100**  Software Construction – Dr. McDaniel, J.

**CS 111**  Discrete Structures – Strzheletska, E.

**CS 120A**  Logic Design – Prof. Zhu, Q. (ECE Department)

**CS 122A**  Intermediate Embedded and Real-Time Systems – Dr. McDaniel, J.

**CS 130**  Computer Graphics – Prof. Shinar, T.

**CS 141**  Intermediate Data Structures and Algorithms – Prof. Lonardi, S.

**CS 153**  Design of Operating Systems – Prof. Abu-Ghazaleh, N.

**CS 161**  Design and Architecture of Computer Systems – Prof. Chen, Z.

**CS 161L**  Laboratory in Design and Architecture of Computer Systems – Windh, S.
CS 164  Computer Networks – Prof. Ramakrishnan, K.

CS 165  Computer Security – Prof. Song, C.

CS 166  Database Management Systems – Prof. Tsotras, V.

CS 170  Introduction to Artificial Intelligence – Prof. Keogh, E.

CS 171  Introduction to Machine Learning and Data Mining – Prof. Shelton, C.

CS 179F  Operating Systems – Prof. Qian, Z.

CS 180  Introduction to Software Engineering – Prof. Zhao, Z.

WINTER 2018

ENGR 180  Technical Communications – Burton, S. & Graham, B.

CS 006  Effective Use of the World Wide Web – Goulding, J. and Ott, J.

CS 008  Introduction to Computing – Gustafson, T.

CS 010  Intro to Computer Science for Science, Mathematics, & Engineering – Downey, K.

CS 011  Introduction to Discrete Structures – (see MATH Department)

CS 012  Intro to Computer Science for Science, Mathematics, & Engineering II – Miller, K.

CS 013  Introductory Computer Science for Engineering Majors – Rusich, R.

CS 014  Introduction to Data Structures and Algorithms – Prof. Hristidis, V.

CS 061  Machine Organization and Assembly Language Programming – Dr. Linard, B.

CS 100  Software Construction – Rahman, Md. L.

CS 111  Discrete Structures – Chrobak, M.

CS 120A  Logic Design – (see ECE Department)

CS 120B  Introduction to Embedded Systems – Dr. McDaniel, J.

CS 130  Computer Graphics – Prof. Shinar, T.

CS 141  Intermediate Data Structures and Algorithms – Prof. Ahmed, A.

CS 153  Design of Operating Systems – Prof. Abu-Ghazaleh, N.

CS 150  Automata and Formal Languages – Prof. Jiang, T.

CS 152  Compiler Design – Prof. Gupta, R.
CS 160 Concurrent Programming and Parallel Systems – Prof. Chen, Z.

CS 161 Design and Architecture of Computer Systems – Prof. Najjar, W.

CS 161L Laboratory in Design and Architecture of Computer Systems – Windh, S.

CS 164 Computer Networks – Prof. Molle, M.

CS 168 Introduction to Very Large Scale Integration Design – Prof. Tan, S. (ECE Department)

CS 169 Mobile Wireless Networks – Prof. Krishnamurthy, S.

CS 179I Networks – Prof. Chen, J.

CS 179K Software Engineering – Prof. Zhao, Z.

**SPRING 2018**

ENGR 180 Technical Communications – Burton, S. & Graham, B.

CS 005 Introduction to Computer Programming – Downey, K.

CS 006 Effective Use of the World Wide Web – Goulding, J.

CS 008 Introduction to Computing – Gustafson, T.

CS 10 Intro to Computer Science for Science, Mathematics, & Engineering – Downey, K.

CS 011 Introduction to Discrete Structures – (see MATH Department)

CS 012 Intro to Computer Science for Science, Mathematics, & Engineering II – Miller, K.

CS 014 Introduction to Data Structures and Algorithms – Miller, K.

CS 030 Introduction to Computational Science and Engineering – Prof. Molle, M.

CS 061 Machine Organization and Assembly Language Programming – Dr. Linard, B.

CS 100 Software Construction – Rahman, Md. L.

CS 111 Discrete Structures – Chrobak, M.

CS 133 Computational Geometry – Eldawy, A.

CS 135 Virtual Reality – Chen, J.

CS 120A Logic Design – (see ECE Department)

CS 120B Introduction to Embedded Systems – Prof. Brisk, P.

CS 141 Intermediate Data Structures and Algorithms – Dr. McDaniel, J.

CS 150 Automata and Formal Languages – Prof. Jiang, T.
CS 152  Compiler Design – Payne, T.

CS 153  Design of Operating Systems – Prof. Song, C.

CS 161  Design and Architecture of Computer Systems – TBA

CS 161L  Laboratory in Design and Architecture of Computer Systems – TBA

CS 166  Database Management Systems – Prof. Ravishankar, C.

CS 171  Introduction to Machine Learning and Data Mining – Prof. Papalexakis, V.

CS 172  Introduction to Information Retrieval – Prof. Hristidis, V.

CS 177  Modeling and Simulation – Prof. Molle, M.

CS 179J  Computer Architecture and Embedded Systems – Prof. Vahid, F.

CS 179N  Computer Graphics and Games – Prof. Schroeder, C.

CS 183  UNIX System Administration – Ott, J.