

# 2017 - 2018 Courses

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## Undergraduate Course Offerings for 2017-2018

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 005 Introduction to Computer Programming – Dr. Linard, B. and Romanous, 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.

#### **General Campus Information**

##### **University of California, Riverside**

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Riverside, CA 92521  
Tel: (951) 827-1012

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#### **Department Information**

##### **Department of Computer Science and Engineering**

[351 Winston Chung Hall](#)

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#### **Related Links**

[UC Riverside](#)

[Bourns College of Engineering](#)