

# 2018 - 2019 CSE Graduate Courses

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## GRADUATE COURSE OFFERINGS FOR 2018-2019

Below is a list of graduate courses currently scheduled to be offered starting in Fall 2018. Please refer to the [UCR General Catalog](#) for course descriptions.

Undergraduate technical electives courses applicable toward your graduate degree: CS 122A, CS 122B, CS 130, CS 134, CS 145, CS 160, CS 162, CS 164, CS 165, CS 166, CS 168, CS 169, CS 170, CS 171, CS 172, CS 177, CS 179 (E-Z) (4 units maximum), CS 180, CS 181, CS 182, CS 183, CS 193 (4 units maximum), EE 140, MATH 120, MATH 126, MATH 135A, MATH 135B, PHIL 124.

**Note:** Course offerings, available sections and professor assignments are subject to change without notice.

### FALL 2018

CS 201 Compiler Construction – Prof. Gupta, R.

CS 203 Advanced Computer Architecture – Prof. Wong, D. (*ECE Faculty*)

CS 210 Scientific Computing – Prof. Shinar, T.

CS 211 High Performance Computing – Prof. Chen, Z.

CS 218 Design and Analysis of Algorithms – Prof. Lonardi, S.

CS 220 Synthesis of Digital Systems – Prof. Brisk, P.

CS 223 Reconfigurable Computing – Prof. Najjar, W.

CS 226 Big-Data Management – Prof. Eldawy, A.

CS 235 Data Mining Techniques – Prof. Papalexakis, E.

CS 236 Database Management Systems – Prof. Ravishankar, C.

CS 239 Performance Evaluation of Computer Networks – Prof. Krishnamurthy, S.

CS 255 Computer Security – Prof. Song, C.

CS 260 001 Seminar in Computer Science – Prof. Ramakrishnan, K.

CS 260 002 Seminar in Computer Science – Prof. Richelson, S.

CS 260 003 Seminar in Computer Science – Prof. Schroeder, C.

CS 270 001 Seminar in Computer Science – Prof. Lonardi, S.

CS 270 002 Seminar in Computer Science – Prof. Gupta, R.

CS 287 Colloquium in Computer Science – Prof. Ramakrishnan, K.

CS 302 Apprentice Teaching – Prof. Brisk, P. (*supervising professor*)

## **WINTER 2019**

CS 201 Compiler Construction – Prof. Zhao, Z.

CS 202 Advanced Operating Systems – Prof. Abu-Ghazaleh, N.

CS 203 Advanced Computer Architecture – Prof. Bhuyan, L.

CS 205 Artificial Intelligence – Prof. Keogh, E.

CS 215 Theory of Computation – Prof. Richelson, S.

CS 217 GPU Architecture and Parallel Programming – Prof. Wong, D. (*ECE Faculty*)

CS 218 Design and Analysis of Algorithms – Prof. Chrobak, M.

CS 230 Computer Graphics – Prof. Schroeder, C.

CS 234 Computational Methods for Biomolecular Data – Prof. Lonardi, S.

CS 242 Information Retrieval and Web Search – Prof. Christidis, E.

CS 260 001 Seminar in Computer Science – Prof. Jiang, T.

CS 260 002 Seminar in Computer Science – Prof. Chen, Z.

CS 260 003 Seminar in Computer Science – Prof. Yin, H.

CS 269 Software and Hardware Engineering of Embedded Systems – Prof. Brisk, P.

CS 270 001 Seminar in Computer Science – Prof. Tsotras, V.

CS 287 Colloquium in Computer Science – Prof. Ramakrishnan, K.

CS 302 Apprentice Teaching – Prof. Brisk, P. (*supervising professor*)

## **SPRING 2019**

CS 202 Advanced Operating Systems – Prof. Yin, H.

CS 204 Advanced Computer Networks – Prof. Chen, J.

CS 208 Cloud Computing – Prof. Ramakrishnan, K.

CS 218 Design and Analysis of Algorithms – Prof. Chrobak, M.

CS 229 Machine Learning– Prof. Shelton, C.

CS 231 Computer Animation– Prof. Schroeder, C.

CS 235 Data Mining Techniques – Prof. Papalexakis, E.

CS 236 Database Management Systems – Prof. Tsotras, V.

CS 238 Algorithmic Techniques in Computational Biology – Prof. Jiang, T.

CS 246 Advanced Verification Techniques in Software Engineering – Prof. Lesani, M.

CS 254 Network Security – Prof. Qian, Z.

CS 260 001 Seminar in Computer Science – Prof. Faloutsos, M.

CS 260 002 Seminar in Computer Science – Prof. Bhuyan, L.

CS 260 003 Seminar in Computer Science – Prof. Shelton, C.

CS 270 001 Seminar in Computer Science – Prof. Keogh, E.

CS 287 Colloquium in Computer Science – Prof. Ramakrishnan, K.

CS 302 Apprentice Teaching – Prof. Brisk, P. (*supervising professor*)

#### General Campus Information

##### University of California, Riverside

900 University Ave.  
Riverside, CA 92521  
Tel: (951) 827-1012

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#### Department Information

##### Department of Computer Science and Engineering

[351 Winston Chung Hall](#)

Tel: (951) 827-5639

Fax: (951) 827-4643

#### Related Links

[UC Riverside](#)

[Bourns College of Engineering](#)