Prairie View A&M University Computer Science Department

招生简介

Prairie View A&M University

- A member of Texas A&M University Systems
  - Founded in 1876, the 2nd oldest state institution of Texas, located 30 miles northwest of Houston
  - Offers baccalaureate degrees in 50 academic majors, 37 master's degrees and four doctoral degree programs through nine colleges and schools.
- Enrollment
  - In fall 2010, total enrollment was 8721, with 6931 undergraduate students

Roy G. Perry College of Engineering

- ## Departments Accredited by ABET
  - ◦ Chemical Engineering
  - ◦ Civil and Environmental Engineering
  - ◦ Computer Science
  - ◦ Computer and Electrical Engineering
  - ◦ Mechanical Engineering
  - ◦ Engineering Technology
- ## Offer Degrees in B.S., M.S., and Ph.D.
  - ◦ In fall 2010, undergraduate enrollment was 1075, and about 150 graduate students
  - ◦ Ranked by U.S. News as one of the best graduate program

    http://grad-schools.usnews.rankingsandreviews.com/best-graduate-schools/top-engineering-schools/prairie-view-a-m-university-02258

Computer Science Department

- Two graduate programs: Computer Science (CS) and Computer Information Systems (CIS)
  - Currently have about 40 graduate students in two programs
  - Each program degree plan requires 36 credit hours
    - Eleven courses (33) + master project (3)
    - Ten course (30) + master thesis (6)
- Financial support (Merit Based)
  - Teaching Assistantship (TA): students work with professor in grading, lecturing, and lab preparation
  - Research Assistantship (RA): students work with professor in research projects

Faculty Research Areas

- ## Expertise
  - Computer Graphics
  - Data Mining
  - Parallel and Distributed Computing
  - Networking and Communications
  - Human Computer Interface
  - RFID and Mobile Applications
  - Storage and Systems
- ## Research Labs
  - Cloud Computing & Simulation Lab (sponsored by IBM)
  - Computer Graphics & Visualization Lab
  - Data Mining & Bioinformatics Lab
  - Networking and Smart Device Lab

Recent Funding (Selected)

- NSF, "Enriching Computing Curricula through HPC Teaching and Research", $399,834, (Dr. Huang, Dr. Li, Co-PI)

- NSF, "II-NEW: COLLABORATIVE - Image Processing Cloud (IPC): A Domain-Specific Cloud Computing Infrastructure for Research and Education", $340,000, (Dr. Huang, PI)

- NSF, "Target Infusion Grant: Infusing the Tablet PC and Problem Based Learning into Computer Science Curriculum to Enhance Student Ability in Computing Problem Analysis and Software Design", $168,470, (Dr. Yang, Dr. Li, PI/Co-PI)

- NSF, "MRI: Acquisition of a High Performance Computer Cluster for Multidisciplinary Computational Research at Prairie View A&M University", recommended, $394,222, (Dr. Lu, Dr. Huang, Co-PI).

- NSF, "Targeted Infusion Project Grant: Integrating Interactive Bioinformatics Learning Modules into the Undergraduate Biology Curriculum", $299,977, (Dr. Lu, Co-PI)

Recent Funding (Selected)

- NSF, "Bioinformatics & Service Computing", $199,661, (Dr. Lu, PI)

- NSF, "Fostering Innovation and Excellence in Computing Systems: Establishing an Innovative Systems Laboratory", $296,140, (Dr. Bellam, Dr. Lodgher, Dr. Lu, PI/C-PI)

- NSF, "BPC -DP: Building Computing Aptitude, Confidence, and Engagement for Students (Computing ACES)", $599,085, (Dr. Lodgher, Dr. Yang, Dr. Cui, PI/Co-PI)

- USDA, "CBG - Bioinformatics Research for Agriculture Innovative Students (BRAINS)", $299,786, (Dr. Lu, Co-PI)

- DOE/TMCF, "Intelligent Energy Supply Control System Study and Renewable Energy Science Education Initiative", $100,000, (Dr. Yang, Dr. Li, PI/Co-PI)

- DOE/TMCF, "Fault Tolerant and Energy Efficient Storage System", $100,000, (Dr. Bellam, PI)

Admission

- Application documents
  - TOFEL Score (>= 79 out 120)
  - GRE Score (>= 900 out of 1600)
  - A minimum GPA of 2.75 on a 4.0 scale
  - Foreign Transcript Evaluation (refer to next slide)
  - Three recommendation letters
  - Resume
- Application deadlines
  - Spring, November 1st
  - Summer, March 1st
  - Fall, July 1st
- https://www.applytexas.org/adappc/gen/c_start.WBX

Foreign Transcript Evaluation

International applicants must request a COURSE BY COURSE EVALUATION from any of the companies below

- Educational Credential Evaluators, Inc. PO Box 514070 Milwaukee WI 53203-3470 USA Tel: 414-289-3400 Fax 414-289-3411 email: eval@ece.org

- SDR Consultants 10134 Hammerly, No. 192 Houston, TX 77080 Tel: 713.460.3525 Fax - 713.460.5344 email: sdrodrig@aol.com sdr_evaluations@sbcglobal.net website: sdr.netfirms.com

- Global Credential Evaluators, Inc. P.O. Box 9203 College Station, TX 77842-9203 USA Tel: 512.528.0908 Fax 512.528.9293 website: www.gceus.com

- World Education Services, Inc. P.O. Box 5087 Bowling Green Station New York, New York 10274-5087 Tel: 212.966-6311 Fax: 212.739.6100 Website: www.wes.org Email: info@wes.org

Graduate Program Prerequisites

- Computer Science (5)
  - MATH2024 Calculus II
  - COMP2013 Data Structures
  - COMP2103 Discrete Structures
  - COMP3043 Computer Organization
  - COMP3053 Algorithms
- Computer Information Systems (5)
  - COMP1223 Computer Science II
  - MATH1124 Calculus I
  - MATH2013 Probability & Statistics
  - ECON2113 Microeconomics
  - One business elective (e.g. Accounting, Finance, Management, etc)

Students with background other than Computer Science are encouraged to apply!!!