2014 Bay Area Regional Community College and High School Counselors Conference

Focus on Success at San José State University

Hosted by SJSU:
College of Business
College of Engineering
College of Science
College of Science

• Seven Departments
• 28 undergrad degrees (one accredited by ABET; one by ACS)
• 120 full-time tenured/tenure track faculty
• 150 lecturers
• 2,100 undergrads
• 750 grad students (MA, MS, MBT)
• Hands-on, lab-oriented
• Research/projects with Faculty
• Student orgs (~20)
Departments

• Biological Science
• Chemistry
• Computer Science
• Geology
• Mathematics
• Meteorology
• Physics
Biological Sciences

• BA, Biological Science
• BA, Biological Science, Teacher Preparation
• BA, Life Science, Preparation for Teaching
• BS, Biological Science, Concentrations:
  • Ecology and Evolution
  • Marine Biology
  • Microbiology
  • Molecular Biology
  • Systems Physiology
Chemistry

• BA Chemistry
• BA Chemistry, preparation for teaching
• BS Chemistry
• BS Chemistry, concentration

Biochemistry
Computer Science

• BS Computer Science
• BS Software Engineering
Geology

• BA Earth Science
• BS Geology
Mathematics and Statistics

• BA Mathematics
• BA Mathematics, Teacher Preparation
• BS Applied Mathematics with concentrations:
  • Statistics
  • Economics and Actuarial Science
  • Applied and Computational Mathematics
Meteorology and Climate Science

- BS Meteorology
- BS Meteorology Concentration in Climate Science
Physics and Astronomy

- BA Physics
- BA Physics, Teacher Preparation
- BS Physics
Pre Professional Students

• No specific preprofessional degree
• Professional schools do not require a specific degree
  • Required prerequisite classes
• Choose degree that can excel in- GPA counts!
Accomplishments

Olenka Hubickyj named Outstanding Lecturer – 2013-2014

Terri McBride named Outstanding Graduating Senior 2014

Karen Parker named Outstanding Master’s Thesis 2014
Accomplishments

Emmanuel Gabet, Associate Professor Geology – Computer model that solved the mystery of the formation of Mima Mounds, largest structures built by mammals (other than humans) found on every continent except Antarctica.

Professor Daniel Goldston, Mathematics and Statistics, received the Mathematical Society’s Frank Nelson Cole Prize in number theory.

Assistant Professor Aaron Romanowsky, Physics and Astronomy part of team that discovered dwarf galaxy M60-UCD1, an “ultra-compact” dwarf galaxy.
Accomplishments

Undergraduate Physics students discover system of dense stars: Michael Sandoval and Richard Vo with Associate Professor Aaron Romanowsky
Student Success

• College of Science Advising Center
• Freshman and Transfer Orientation
• Early warning – Major GPA and Degree Progress
• Supplemental Instruction
• Tutoring
• Peer Advisors
• Student Clubs
• Preprofessional Clubs
Student Opportunities

• Louis Stokes Alliance for Minority Participation
  • Summer prep courses in pre-calculus and chemistry
  • Graduate school preparation seminar
  • Academic excellence workshops

• NIH Minority Access to Research Careers (MARC)
  Student Research stipends

• NSF College of Science Research and Teaching Scholars – Scholarship Program