

CHARLES W. DAVIDSON COLLEGE OF

**ENGINEERING**@SJSU  
ENGR-EXTENDEDSTUDIES.SJSU.EDU



# Developing the Silicon Valley Workforce

## Partnerships and Collaboration

### 2012 InterCity Visit October 2, 2012



San José State  
UNIVERSITY

One Washington Square  
San Jose, CA 95192

## SAN JOSE STATE UNIVERSITY is...

SJSU is Ranked 14<sup>th</sup> in the nation on the Forbes' list of, *"Schools that make you rich"* –2011

## THE COLLEGE OF ENGINEERING is...

SJSU engineering is ranked 17th nationally (among non-PhD schools) - US News, 2013

SJSU engineering is ranked 3rd nationally among state schools (non-PhD) -US News, 2013

Ranked 7<sup>th</sup> in the nation of public universities offering bachelors & masters degrees  
- US News, 2011

Produces more engineering professionals to Silicon Valley than any other university

- 90 full-time Ph.D faculty, 100 adjunct faculty.
- 5,200 total students (2,500 graduate students)

## **SJSU AND COLLEGE OF ENGINEERING FACTS**

Approximately 34,000 students in over 130 different bachelor's and master's degree programs.

There are approximately 27,000 undergraduate students enrolled at SJSU, and 7,000 graduate students.

Highest foreign student enrollment of all master's institutions in the United States.

As of fall 2009, the university's seven engineering disciplines accounted for roughly 12% of all undergraduate majors.

The university's Charles W. Davidson College of Engineering has over 4,700 undergraduate and graduate students and approximately 350 faculty and staff members.

## SJSU AND COLLEGE OF ENGINEERING FACTS

Nearly 200 SJSU graduates have founded, co-founded, served or serve as senior executives or officers of public and private companies reporting annual sales between US\$40 million and US\$26 billion.

Notable companies founded by SJSU students and alumni include and just to list a few: [Intel Corporation](#) (1968), [Specialized Bicycle Components](#) (1974), [Oracle Corporation](#) (1977), and [Seagate Technology](#) (1979)

## SJSU – SILICON VALLEY COLLABORATION

- Skills/tools/Knowledge Landscape – Symposium, Events, Round-table
- Curriculum Development – Cutting edge topics
- These program are focused on skills needed for success in the industry
- Embedded, on-site degree program @ Corporate and TechMart (SJSU satellite campus)
- Possibility to involve corporate employees as industry faculty
- Steering Committee (Joint Committee, Student Learning Objectives)
- Silicon Valley Leaders Symposium (9 high caliber guest speakers/semester, Since 2002)

## ADVANTAGES FOR CORPORATES

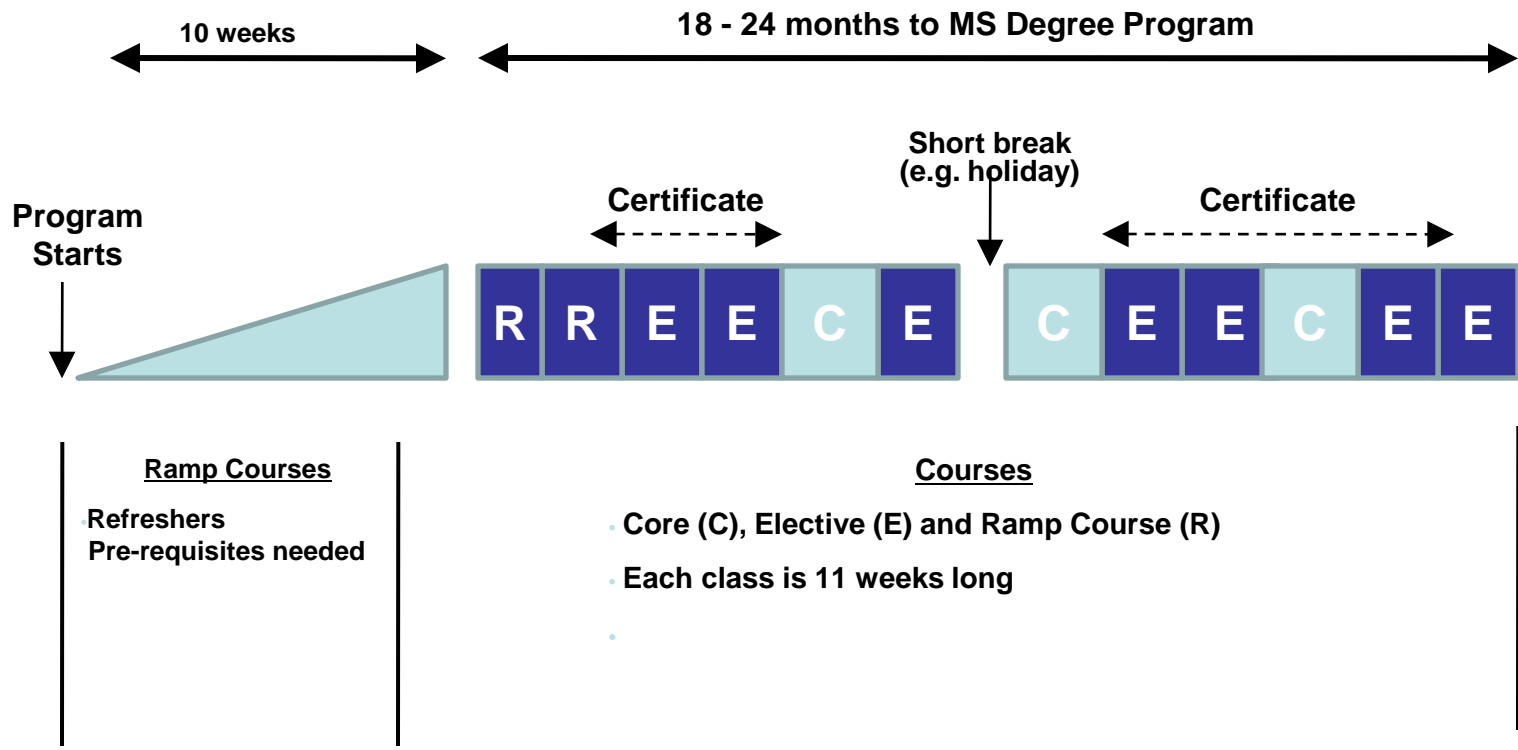
- Employees learn cutting-edge technologies
- The program is focused on skills needed for success in the industry
- Embedded, on-site degree program @ Corporate
- Tailored for corporate business needs
- Possibility to involve corporate SMEs as faculty
- Steering Committee for curriculum (Emphasis) development
- Focused program support

## ADVANTAGES FOR SJSU

- One-On-One relationship with industry
- Faculty Professional Development (Class Team Teaching: Industry SMEs and Faculty)
- Joint Research program
- Alumni Base
- Engineering Laboratory Development and Donation (Cisco Networking Lab, Brocade Data Center)
- Engineering Industry Scholarships
- Industry Day

## PROGRAM SCHEDULE FLOW

- Course refreshers
- 18 - 24 months Courses





QUESTIONS?