

CSU CSISSE Meeting 2016

Friday, March 25, 2016

9:46 AM

Introductions & Announcements

Steve Stepanek report (handout too)

Strike news - Fact Finding document is public on Monday March 28th

Role of Math in high school & college

Statway - alternate math pathway in high school
widens gap on math-prep for CS/SE degrees

Movement to increase math requirement in HS

3yr -> 4yr (allow 1 yr of repeat) & require senior year math class

Push for computing course in HS

currently planning for it to count towards Math
not an Office class

AP CS A test – CS I course in Java

poor pass rates currently

AP proposing new CS Principles test

syllabus on website

programming is part, but covering many other areas like security

C-ID COMP 112 (CS 0) - Intro to CS has heavier programming focus

State legislation of note

ASCSU monitoring 36 bills

CSU CO monitoring 300 bills

affordability - fees, textbooks, waivers, etc.

access - promise programs, time to degree, etc.

Student safety

higher ed employment

CPEC replacement - reporting authority

SB 1450 - Time to degree promise

4 yr degree if maintain high GPA & ~15 units per term

freeze tuition for 4 yrs

priority registration to courses

guaranteed enrollment to courses needed for grad.

opposed by ASCSU

can make situation worse for students who can't take high course load
(work, family, etc)

-could get frozen out of courses

-could lengthen time to degree for them

CCC-CSU integrated courses study

goal - close achievement gap

other emerging models - business & engineering of particular of interest

-come up w/ TMC for these?

integrated courses discussion groups coming up May & June

-Fresno, Pomona, Oakland

C-ID & TMC changes

CS - COMP 112 align more closely to proposed AP CS Principles test
will be discussed more this afternoon

Roundtable

Dan @ Pomona IS/CIS

761 CIS 675 last year
1 new TT hire @ 95k
9 TT, 1 FTL, 14 PTL
~36 class size
13.2% female
preparing for Q25 Fall 18

Frank @ San Bernardino CIS,IT

401 enrolled IT 312 last year
347 CIS 256 last year
new hire
11 TT faculty, 7-9 PTL
new degree approved IS & Tech B.S.
elevating a concentration from BA in Business Admin
CIS, Cybersecurity, Public Admin, one other option

Mohsen @ Dominguez Hills CS, CT, IT, MS CS

~600 major 120 5yrs ago
270 FTES
aiming for MS in Cybersecurity
6 TT, 13 PTL faculty (4 PT are FTL equiv)
hired 2, lower 80k salary
badly need more faculty

Matt @ East Bay CS, CE

no longer joint department of Math & CS
separated & moved into new building
new dean & provost
Q2S for Fall 18
9 TT, 4 FERP 15 faculty 5yrs ago
all due to attrition / retirement
1 new hire, 77.5K
was adjunct @ Stanislaus before hire
enrollments up - 50% increase over 2yrs for undergrad
300 undergrad, 300 grad
rejecting ~90% of grad applications
35 undergrad, 26 grad enrollment caps
50/50 grad gender ratio
35% female undergrad
5 contract lecturers
bleak budget outlook
SB1440 articulation complete from CS side

CE 3 faculty, 1 lecturer
200 students (undergrad only)
same class sizes

Melissa @ Bakersfield CS, CE
250 CS 250 ECE undergrad only
2 CS TT, 1 CS FERP, 4 ECE TT
3 FTL, half dozen PTL
30% TT for CMPS courses
1 new hire for Fall @ 85k for CS&E
2 offers pending
all replacement positions
SB 1440 -on track
Q2S for Fall 16
35 class size
15% female

Dr. Coley – Cal Poly Pomona President came in for welcoming remarks

Tom @ Stanislaus CS
280-300 majors
6 TT - dean retreated to department
enrollments almost doubled in past 3 yrs
currently searching but very late authorization
still reviewing applications
~30 class size 90 for GE courses
15% female

Michael @ Long Beach IS
impacted, 300-350 majors
MBA is self-support
14 TT, 10 lecturers (2-3 FTL)
emphasizing technical side of systems, also mobile & databases
good computer lab for students
participating in international conferences for IS, also IS journal publications

Michael @ Fullerton CS
15 TT (1 FERP)
very young faculty (many asst)
1 FTL, many PTL
trying to recruit, particularly women & minorities
2 lines, but not successful
not sure on exact salary offer, maybe 82-87k
115 applicants, 6 on-campus, all refused or delaying response
1000 undergrad 200 grad (full-time MS CS)
EU accelerated SE degree (Master's) targeting international students
also 60 for online SE Master's
getting more undergrads, grad at capacity

many LD courses taught by adjuncts
~30 class size
dean has retreated, no interim dean yet
15% female
high attrition in sophomore yet
3 faculty are female
bottlenecks in courses increased time to degree
satellite campus in Irvine
want 2+2 CCC transfers from that area to be able to finish in Irvine
some issues w/ ABET visit
started ACM-W chapter
also outreach to Girl Scouts
starting computer loan program w/old computers for development

Rick @ Northridge CS, CIT, MS CS, MS SE

1200 all programs 536 in 2011

100-120 each for MS CS, MS SE

20 TT, 25-27 PTL

lot of release /FERP in that 20 TT

really 14 TT for teaching

2 lines last year

1 successful after 5 offers, 78k

turned down due to salary & cost of living

25K startup package

2 lines this year

60 candidates, 5 on-campus, 2 withdrew

1 offer rejected, 1 never responded, 1 pending

28-30 class size

4 female TT

new rules for grad students registering for undergrad courses has hurt them

-have to go to CCC for prereqs if not CS BS

-second BS has been closed at Northridge

-conditional grad admits hard to do

(side note: push by admin to design EU program to cover prereqs for MS program according to Steve S.)

Side Discussion on CS teachers at HS, also CS for All initiative

Xiao @ San Jose CE, SE

1077 BS 1281 MS enrollments

almost doubled in 3 years

previous president wanted engineering to grow

50 lecture class size, 25-30 Lab class sizes

60-100 for grad classes

16 TT, 1 FERP, 35 lecturers

2 hires last year

4 lines this year

12 on-campus in March

2 accepted, ABD ~90k salary

2 pending offers
~30k startup & release time 50% for 2 years
2 more lines for next year probably
dean is leaving at end of June
4 TT faculty are female
just hosted Women in Engineering conference

Xiao also passed along information for CS department @ San Jose:
CS department had 3 lines
all 3 offers accepted
lower salary for CS, 82-88k maybe

Nand @ Los Angeles CIS
grew rapidly MS 10x, CS 10 -> 100
Bachelors has doubled
420 FTES, 100 from grad, 100 from Business
Q2S in Fall 16
expecting drop in undergrad enrollments
15% female students
28-30 class size for lab classes
11 FT, 10 PT
1 hire last year ~80k
2 lines this year, 4 on-campus interviews
2 withdrew, waiting on response
late authorization to hire
most recruitment at a conference - 50 applicants
budget is reasonably good
charge additional professional fees to grad students
Q2S curriculum in line w/ SB1440
department is slow to adopt eLearning
Q2S Curriculum expands options
added IT option to degree
debating balance between Business & technical side

Raj @ LA CS
hiring every year for past 5yrs
11 TT now
last year - 4 refused at 84k
20k summer stipend for first two years added to offers now
500+ undergrad, 300+ grad
~150 freshmen, 50-80 transfer
leaky funnel, graduation rate is poor
6+ yr time to degree
Q2S for Fall 16
played games w/ curriculum
CS0, CS1, CS2 sequence
all LD are 2+1 classes
class size capped at 25 undergrad, 20 grad

academic plan for students
Summer grad classes through EU popular for grad students & faculty

Melody @ Chico CS, CIS

453 students 53 masters

300 CS

~300 FTES including service for CE/EE

introduced JavaScript Intro to Prog. Class

growth - doubled in last 5 years

ABET visit

in danger of losing CIS unless have IS Ph.D. in faculty

no budget line item to maintain & replace computer labs was black mark

<15% female

Hiring

5 new TT in last 4 years

1 for this year

85k for experienced (2 years teaching)

75k for brand new Ph.D.

50% release 1st year, 25% release for 2nd year

IAB has donated money for startups

30 for lab classes

had faculty grievance over class sizes

8 TT, 1 hiring

5 on-campus interviews

1 has withdrawn

bad budget situation currently

Michael @ Channel Island CS, IT

300 majors 50 grads

5 TT

all new faculty, recently hired

1 new hire this year

83k salary (negotiated from initial 79k)

pushing research culture in department

new building, 6 new labs

24 class size in the labs

phasing out online courses

20 lecturers

many preparing to retire

Mechatronics approved as new program

MS 90% international

Seeking ABET accreditation

exchange program w/ Kings College in London

New programs: cyber security & mobile robotics

Daisy @ Pomona CS

impacted F14 700 undergrad, 700 grad

applications growing, 2600 this year

11 TT, 1 FERP, 12 lecturers
3 lines this year
11 on-campus in January
still waiting on signed offers from candidates
82-84k salary
30k startup (includes summer stipend)
50% release for first two years
35 undergrad class size, 25-30 grad
started partnership program w/ Google
Android programming w/ Google engineers
received lottery funds to establish center

David @ Northridge IS
196 majors, going down
6 TT, 1 retirement, 1 FERP
1 will FERP 16/17
No hiring
No female faculty
10% female students
40+ class size, often 50+
2 labs to use
Accounting department & college/school has endowments

Lunch Break

Talk by Marcy Jones on ICT Model Curriculum
CAE2Y requirements for infosec
6 Criteria and 11 Knowledge Units
ICT Model Curriculum has mappings to CAE2Y
ITIS 130 or COMP 112 -> Basic Scripting
ITIS 150 (Network) -> all but Scripting, Analysis, & Policy/Legal/Ethics
ITIS 155 (Sys Admin) -> Sys Admin
ITIS 160 (InfoSec) -> all but Scripting, Analysis, InfoTech Sys, & Networking
San Bernardino has BS in IST that maps to many ICT MC courses
-Based in Business school
-Interdisciplinary
-Strong IST & Cybersecurity approach
-Project management based
-Enterprise Resource Management
180 units:
92 GE
32 LD core - maps to CID courses
28 UD core -introduce project management
28 option courses. Options chosen from:
CIS - 4 units of electives within 28 units
Cybersecurity - also 4 units of electives
Intelligence - has 3 IST & 4 PoliSci courses
Public Administration -8 units of electives

recruiting 2 new lines for next year
also proposing MS in IST w/ focus on either cybersecurity or analytics

Elections of Leadership for next year

Chair volunteers

Michael Shafae @ Fullerton

Vice Chair volunteers

Michael Soltys @ Channel Islands

Secretary volunteers

Melissa Danforth @ Bakersfield

Fullerton is likely location for next year

Discipline Breakouts

CS Breakout

Salary scales, salary inversions, SSI

Budgets

Operating Expenses – 3k to 15k

Readers / Grades

ABET Release

1 course per term @ LA

1 course per term @ San Jose + summer salary for Self Study

3-6 WTU for Self Study @ Northridge

Equipment - intermittent support

Chico & Northridge get deficiencies over not having line items for upgrade/refresh
in last ABET report

ABET in general

prereq checks are important

document unique situations for any prereq override

some 4 yr engineering programs have been dinged if CCC doesn't follow prereqs

-e.g. ABET wants 4yr to work w/ feeder 2 yr CCs to be sure CC is enforcing prereqs

mandatory advising once a year is good

-Fullerton get dinged for not doing enough advising (2 people for 1000 students)

-Chico had training for faculty & all faculty advise

Computer Labs

East Bay will send out email survey

administration took away labs & East Bay lost ABET accreditation

CID & TMC handout from Steve Stepanek

Science requirement

Current: 1 yr of Physics (Phys I & II)

Proposed: Phys I & one of Phys II, Cell Bio, or Gen Chem

Stanislaus requires full year of Phys or Bio or Chem

Primary question: can they still complete in 60 units after transfer with this change?

Most campuses can work with this change

IS Breakout

minute-taker was not present at IS breakout so no notes from this breakout

Announcements