

## What challenges does CSin3 address?

### Higher Education Challenges

- In past six years, CSUs turned away ~140K students
- CC->CSU 6-year graduation rate is <20%
- Average student loan debt for 2014 CSU graduate: \$18K

### Computer Science Demand Challenge

- Not enough qualified CS graduates
- U.S. colleges and universities are expected to produce less than 50% of the needed graduates in CS

### Tech Workforce Diversity Challenge

- ~60% White Americans
- ~15% Women
- ~4% Hispanic Americans  
(greater than 35% of CA population)
- ~2% African Americans



CSin3 from  
30,000 feet

All students are pursuing a **Bachelor's Degree** in Computer Science

Partnership between **community college (Hartnell)** and **state university (CSUMB)**

Cohort-based

Accelerated - completion in 33 months

Significant support and engagement **beyond coursework**

Students supported by scholarships from Matsui Foundation



## Maria Rivera

2016 Graduate

Born in Mexico; parents moved to USA to work in fields in Salinas; 6 siblings

First generation to go to college

Never heard of CS prior to info session in January of her high school senior year

CSin3 from 2013-2016

Interned at Salesforce summer 2015; now full-time employee





## CSin3 Demographics

*in categories traditionally underrepresented in CS*

Of the 123 students served/being served in 4 cohorts...

URM Total - 86%

Hispanic - 81%

First Generation College - 71%

Female - 43%



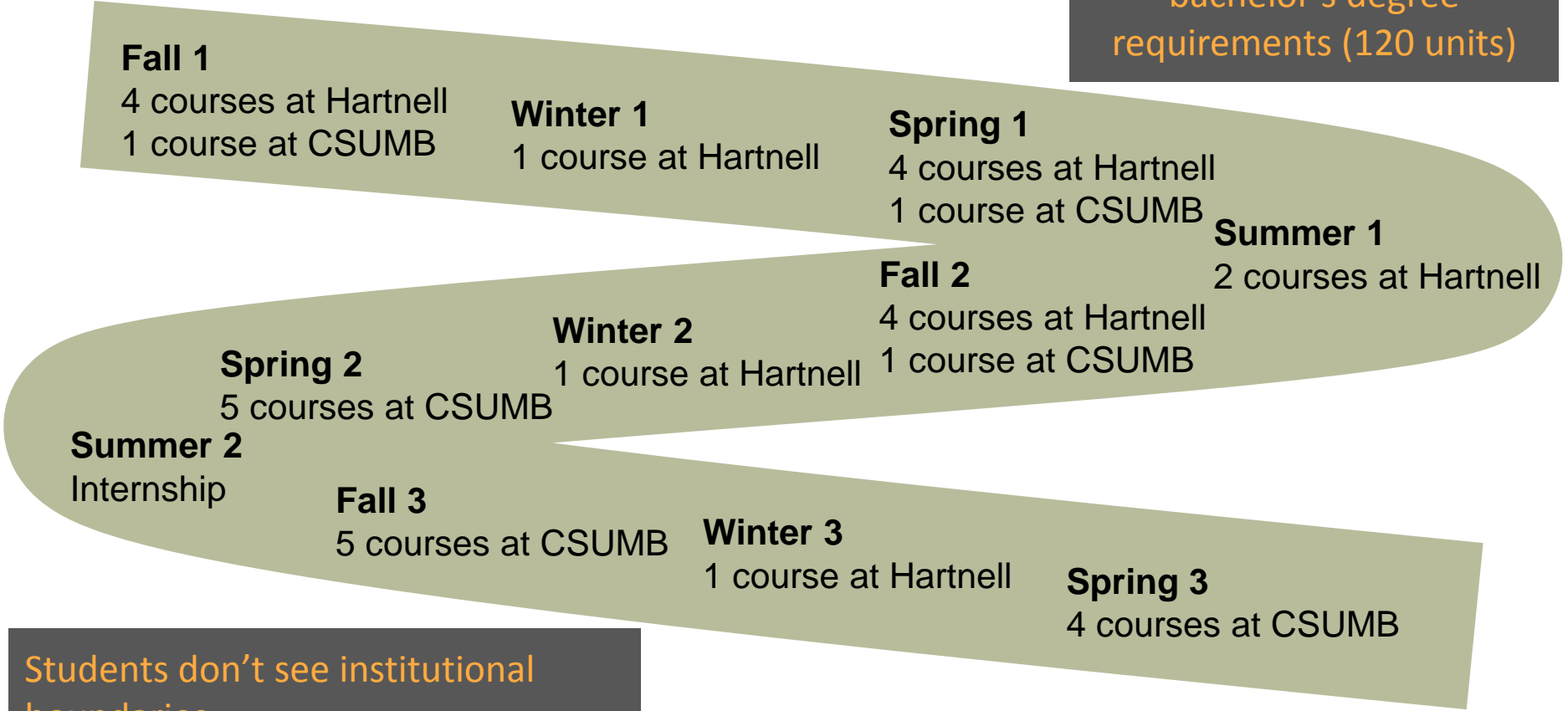
What does a CSin3 student encounter upon being accepted into the program in February?



- 1** A small team of faculty and staff becomes her primary point of contact for all things college.
- 2** A cohort of ~30 additional students become her supportive learning community for the next 36 months.
- 3** Growth mindset, grit, general college readiness, Math and CS are emphasized/practiced during math intensive and summer bridge.

## Nuts & Bolts View of 3-year Pathway

Pathway meets all bachelor's degree requirements (120 units)



Students don't see institutional boundaries.  
Panther and Otter from day one.



## Results

### Graduation

Cohort 1 - 22 out of 32 (68%) cohort 1 students in May 2016  
(2 more from Cohort 1 are expected to graduate in Dec 2016)

Cohort 2 - 24 out of 32 (78%) on track to graduate in May 2017

### Jobs

Cohort 1 - 18 out of 22 (82%) graduates had job offers at graduation or shortly after

### Transfer from Hartnell to CSUMB

Cohort 1 - 28 out of 32 (87.5%)

Cohort 2 - 28 out of 32 (87.5%)

Cohort 3 - 32 out of 36 (89%) on track to transfer Spring 2017