



FOOTHILL COLLEGE
 Institutional Research and Planning

DATE: October 22, 2014

TO: Sarah Parikh, Instructor, Engineering

FROM: Elaine Kuo, College Researcher

RE: ENGR 10 Course Success Rates by Gender, 2010-11 to 2013-14

Overview

Students enrolled in ENGR 10 from 2010-11 and 2013-14 were identified to determine enrollment and course success patterns. Table 1 shows both the headcount and enrollment numbers for ENGR 10. While there have been slightly over 300 students who enrolled in ENGR 10 between 2010-11 and 2013-14, there has been a 144% increase in the annual enrollment in that same time frame.

Table 1. Headcount and Enrollment in ENGR 10, 2010-11 to 2013-14.

Year	Headcount	Enrollment
2010-11	47	48
2011-12	71	71
2012-13	88	91
2013-14	116	117
Total	322	327

Note: Total headcount may include duplicates.

Females compose less than one-fifth of ENGR 10 enrollment during this time period (Table 2). In 2013-14, female student enrollment reached a four-year high of 17% of total enrollment, increasing from six to 20 females enrolled in ENGR 10 (a four percentage point increase from 2010-11).

Table 2. Enrollment in ENGR 10 by Gender, 2010-11 to 2013-14.

Year	<u>Female</u>		<u>Male</u>		<u>Total</u>	
	Enr	Percent	Enr	Percent	Enr	Percent
2010-11	6	13%	42	88%	48	100%
2011-12	9	13%	62	87%	71	100%
2012-13	10	11%	81	89%	91	100%
2013-14	20	17%	97	83%	117	100%

Course success rates have increased by 23 percentage points between 2010-11 and 2013-14, from 65% to 88% (Table 3). There was a large decline in the number of withdraws, from a high of 31% in 2010-11 to 7% in 2013-14.

Table 3. Success Rates in ENGR 10, 2010-11 to 2013-14.

Year	Success		Nonsuccess		Withdraw		Total	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
2010-11	31	65%	2	4%	15	31%	48	100%
2011-12	60	85%	6	8%	5	7%	71	100%
2012-13	75	82%	10	11%	6	7%	91	100%
2013-14	103	88%	6	5%	8	7%	117	100%

Table 4 shows that females have successfully completed ENGR 10 at increasingly higher rates between 2010-11 and 2013-14 (33% vs. 80%), from two to 16 women. The withdrawal rate among females has decreased from 50% in 2010-11 to 10% in 2013-14 and the nonsuccess rate from 17% to 10% during the same time period.

Table 4. Success Rates in ENGR 10 by Gender, 2010-11 to 2013-14.

Year	Gender	Success		Nonsuccess		Withdraw		Total	
		Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
2010-11	Female	2	33%	1	17%	3	50%	6	100%
	Male	29	69%	1	2%	12	29%	42	100%
2011-12	Female	9	100%					9	100%
	Male	51	82%	6	10%	5	8%	62	100%
2012-13	Female	8	80%	1	10%	1	10%	10	100%
	Male	67	83%	9	11%	5	6%	81	100%
2013-14	Female	16	80%	2	10%	2	10%	20	100%
	Male	87	90%	4	4%	6	6%	97	100%

Methodology

Headcount is counting each student one time in a given year, even if the student has enrolled in ENGR more than one time over the course of more than one year. Enrollment is a duplicated count of all students who enrolled in ENGR 10 during any given year. Course success is defined as earning a final grade of “A,” “B,” “C,” or “P” while non-success is “D,” “F,” “NP.” Withdraws are indicated with a “W” grade. Only students with a final grade are included in this analysis.

Source

FHDA IR&P, ODS [Registration Analysis, Student Demographic FHDA]