Fall 2015
Undergraduate High Demand Science Student Characteristics

Fall quarter demographic profiles for **degree-seeking** undergraduates as compared to students enrolled in high demand sciences*

Overview

		Number	
Total Degree-seeking Undergraduates		3821	
Subset High Demand Science Students		1082	
% of students enrolled in HD Science		28%	

Residency Status

		Number	Percent
WA Resident	All UG	2841	74%
	HD SCI	801	74%
Non-Resident	All UG	980	26%
	HD SCI	281	26%

Community College Transfer

		Number	Percent
CC Transfer Student	All UG	1524	40%
	HD SCI	432	40%
Not CC Transfer Student	All UG	2297	60%
	HD SCI	650	60%

First-Generation Baccalaureate

		Number	Percent
First-Generation	All UG	1160	30%
	HD SCI	308	28%
Not First-Generation	All UG	2661	70%
	HD SCI	774	72%

Age Group

		Number	Percent
Traditional Age (17-23)	All UG	2399	63%
	HD SCI	682	63%
Non-Traditional Age (24+)	All UG	1422	37%
	HD SCI	400	37%

Gender

		Number	Percent
Female	All UG	2120	55%
	HD SCI	544	50%
Male	All UG	1701	45%
	HD SCI	538	50%

Federal Poverty Status

		Number	Percent
Below Federal Poverty	All UG	1675	44%
	HD SCI	455	42%
Not Below Poverty or no FAFSA	All UG	2146	56%
	HD SCI	627	58%

Federal Low Income
(≤150% federal poverty level)

		Number	Percent
Federal Low Income	All UG	1910	50%
	HD SCI	522	48%
Not Low Income or no FAFSA	All UG	1911	50%
	HD SCI	560	52%

Reported Disability

		Number	Percent
Reported Disability	All UG	367	10%
	HD SCI	95	9%
No Reported Disability	All UG	3454	90%
	HD SCI	987	91%

Race/Ethnicity (v.1 categories NOT mutually exclusive, multi-racial students captured in each category)

		Number	Percent
Hispanic/Latino	All UG	379	10%
	HD SCI	87	8%
African-American/Black	All UG	332	9%
	HD SCI	59	5%
American Indian/Alaskan Native	All UG	229	6%
	HD SCI	53	5%
Asian	All UG	245	6%
	HD SCI	74	7%
Pacific Islander/Native Hawaiian	All UG	48	1%
	HD SCI	12	1%
White	All UG	2971	78%
	HD SCI	867	80%
Not indicated	All UG	234	6%
	HD SCI	88	8%

Race/Ethnicity (v.2 Mutually exclusive categories)

		Number	Percent
Hispanic, of Any Race	All UG	379	10%
	HD SCI	87	8%
African-Amer/Black, Non-hispanic	All UG	185	5%
	HD SCI	25	2%
American Indian, Non-hispanic	All UG	79	2%
	HD SCI	14	1%
Asian, Non-hispanic	All UG	112	3%
	HD SCI	35	3%
Pacific Islander, Non-hispanic	All UG	14	0%
	HD SCI	3	0%
White, Non-hispanic	All UG	2504	66%
	HD SCI	742	69%
Multi-Racial, Non-hispanic	All UG	314	8%
	HD SCI	88	8%
Unknown Race/Ethnicity	All UG	234	6%
	HD SCI	88	8%

Students of Color

		Number	Percent
Students of Color	All UG	1083	28%
	HD SCI	252	23%
White/Non-Indicated Students	All UG	2738	72%
	HD SCI	830	77%

Veteran Status

		Number	Percent
Veteran	All UG	205	5%
	HD SCI	61	6%
Non-Veteran	All UG	3616	95%
	HD SCI	1021	94%

Average Entrance GPA

		GPA	Number
Average High School GPA	All UG	2.98	1992
	HD SCI	3.01	562
Average Prior College GPA	All UG	3.00	2391
	HD SCI	3.00	711

High demand Sciences as established May 2011 with passage of E2SB 1795: Agriculture/Natural Resources, Biology and Biomedical Sciences, Computer and Information Sciences, Engineering and Engineering Technologies, Health Professions and Clinical Sciences, Mathematics and Statistics, Physical Sciences and Technologies. Degree-seeking undergraduates enrolled in ANY high-demand science class in Fall 2015 are included in demographic analysis.

Fall 2014 to Fall 2015 Retention Rates

Retention adjusted for graduation: all degree-seeking undergraduates compared to degree-seeking students enrolled in high-demand science*

Retention comparison	UG	HD SCI
Number of Students enrolled Fall 14	3802	971
Overall Retention to Fall 15	79%	**82%**
Nontraditional Age (24+)	80%	**81%**
Students of Color	79%	**82%**
Females	81%	**83%**
Males	77%	**80%**
First-Generation	80%	**81%**
Below Federal Poverty	81%	**82%**
Federal Low-Income	80%	**82%**
Reported Disability	78%	78%
Veteran	75%	**77%**

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Highlights:

➢ In fall 2015, 28% of all degree-seeking undergraduates enrolled in at least one high-demand science offering.

➢ In fall 2015, high demand science enrolled a *lower* proportion of the following categories of students relative to the overall undergraduate enrollment:
- Women
- First-generation Baccalaureate
- Below Poverty
- Federal Low Income
- Hispanic/Latino, African-American/Black, and American Indian/Alaskan Native
- Students with reported disabilities

➢ In fall 2015, high demand science enrolled a *higher* proportion of the following categories of students relative to the overall undergraduate enrollment:
- Men
- Veterans
- White, Non-Hispanic and Asian

➢ Fall-to-fall retention analysis of undergraduates enrolled the prior fall 2014 revealed that retention rates were higher for students enrolled in high demand science (82%) compared to the overall undergraduate retention (79%). Retention rates for students who were non-traditional age, students of color, females, males, first-generation, below poverty, low income, and/or veterans were higher for students enrolled in high demand science curriculum, than students from those categories overall.