

Fall 2020

Undergraduate High Demand Science Student Characteristics

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

Overview

Total Degree-seeking Undergraduates	2053
Subset High Demand Science Students	754
% of students enrolled in HD	37%

Residency Status

		Number	Percent
WA Resident	All UG	1,780	87%
	HD SCI	635	84%
Non-Resident	All UG	273	13%
	HD SCI	119	16%

Community College Transfer

		Number	Percent
CC Transfer Student	All UG	856	42%
	HD SCI	301	40%
Not CC Transfer Student	All UG	1,197	58%
	HD SCI	453	60%

First-Generation Baccalaureate

		Number	Percent
First-Generation	All UG	597	29%
	HD SCI	209	28%
Not First-Generation	All UG	1,456	71%
	HD SCI	545	72%

Age Group

		Number	Percent
Traditional Age (17-23)	All UG	957	47%
	HD SCI	332	44%
Non-Traditional Age (24+)	All UG	1,096	53%
	HD SCI	422	56%

Gender

		Number	Percent
Female	All UG	1257	61%
	HD SCI	441	58%
<i>Unknown gender with Female</i>			
Male	All UG	786	38%
	HD SCI	309	41%
Gender X	All UG	10	0.5%
	HD SCI	4	0.5%

Federal Poverty Status

		Number	Percent
Below Federal Poverty	All UG	733	36%
	HD SCI	269	36%
Not Below Poverty or no FAFSA	All UG	1320	64%
	HD SCI	485	64%

Federal Low Income

		Number	Percent
Federal Low Income	All UG	841	41%
	HD SCI	307	41%
Not Low Income or no FAFSA	All UG	1212	59%
	HD SCI	447	59%

Reported Disability

		Number	Percent
Reported Disability	All UG	326	16%
	HD SCI	126	17%
No Reported Disability	All UG	1727	84%
	HD SCI	628	83%

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

		Number Percent	
Hispanic/Latino	All UG	258	13%
	HD SCI	80	11%
African-American/Black	All UG	184	9%
	HD SCI	29	4%
American Indian/Alaskan Native	All UG	175	9%
	HD SCI	43	6%
Asian	All UG	119	6%
	HD SCI	57	8%
Pacific Islander/Native Hawaiian	All UG	29	1%
	HD SCI	10	1%
White	All UG	1501	73%
	HD SCI	597	79%
Not indicated	All UG	117	6%
	HD SCI	42	6%

Race/Ethnicity (v.2 Mutually exclusive categories)

		Number Percent	
Hispanic, of Any Race	All UG	258	13%
	HD SCI	80	11%
African-Amer/Black, Non-Hispanic	All UG	109	5%
	HD SCI	17	2%
American Indian, Non-hispanic	All UG	90	4%
	HD SCI	17	2%
Asian, Non-hispanic	All UG	59	3%
	HD SCI	33	4%
Pacific Islander, Non-hispanic	All UG	9	0%
	HD SCI	0	0%
White, Non-hispanic	All UG	1278	62%
	HD SCI	520	69%
Multi-Racial, Non-hispanic	All UG	133	6%
	HD SCI	45	6%
Unknown Race/Ethnicity	All UG	117	6%
	HD SCI	42	6%

Students of Color

		Number	Percent
Students of Color	All UG	658	32%
	HD SCI	192	25%
White/Non-Indicated Students	All UG	1395	68%
	HD SCI	562	75%

Veteran Status

		Number	Percent
Veteran	All UG	117	6%
	HD SCI	43	6%
Non-Veteran	All UG	1936	94%
	HD SCI	711	94%

Average Entrance GPA

		GPA	Number
Average High School GPA	All UG	3.00	1049
	HD SCI	3.06	400
Average Prior College GPA	All UG	3.01	1229
	HD SCI	3.08	444

*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 2020 are included in demographic analysis.

Fall 2019 to Fall 2020 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	HD Sci	HD SCI
Number of Students enrolled Fall 19	2527	777	Retained	population
Overall Retention to Fall 20	72%	74%	572	777
Nontraditional Age (24+)	68%	72%	256	354
Students of Color	69%	70%	145	207
Females	73%	76%	303	401
Males	71%	71%	268	375
First-Generation	71%	74%	169	229
Below Federal Poverty	73%	75%	264	350
Federal Low-Income	72%	75%	297	398
Reported Disability	69%	74%	84	113
Veteran	67%	60%	25	42

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Highlights:

- In fall 2020, 37% of all degree-seeking undergraduates enrolled in at least one high-demand science offering.
- In fall 2020, high demand science enrolled a **lower** proportion of the following categories of students relative to the overall undergraduate enrollment:
 - Women
 - Students of Color especially African-American/Black and Native American
 - Traditional Age students (17-23)
- In fall 2020, high demand science enrolled a **higher** proportion of the following categories of students relative to the overall undergraduate enrollment:
 - Men
 - White, Non-Hispanic
 - Non-Traditional Age Students (24+)
- Fall-to-fall retention analysis of undergraduates enrolled the prior fall 2019 revealed that retention rates were higher for students enrolled in high demand science (74%) compared to the overall undergraduate retention (72%). Retention rates for students who were non-traditional age, women, first-generation, below poverty, and/or low income were higher for students enrolled in high demand science curriculum, than undergraduates from those categories among the overall student body. Retention rates for students who were veterans were lower for students enrolled in high demand science curriculum.