

Fall 2019

**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	2527
Subset High Demand Science Students	777
% of students enrolled in HD	31%

**Residency Status**

		Number	Percent
WA Resident	All UG	2,115	84%
	HD SCI	639	82%
Non-Resident	All UG	412	16%
	HD SCI	138	18%
		2527	777

**Community College Transfer**

		Number	Percent
CC Transfer Student	All UG	1,046	41%
	HD SCI	316	41%
Not CC Transfer Student	All UG	1,481	59%
	HD SCI	461	59%
		2527	777

**First-Generation Baccalaureate**

		Number	Percent
First-Generation	All UG	753	30%
	HD SCI	229	29%
Not First-Generation	All UG	1,774	70%
	HD SCI	548	71%

**Age Group**

		Number	Percent
Traditional Age (17-23)	All UG	1,418	56%
	HD SCI	423	54%
Non-Traditional Age (24+)	All UG	1,109	44%
	HD SCI	354	46%

**Gender**

		Number	Percent
Female	All UG	1486	59%
	HD SCI	402	52%
<i>Unknown and X with Female</i>			
Male	All UG	1041	41%
	HD SCI	375	48%

**Federal Poverty Status**

		Number	Percent
Below Federal Poverty	All UG	1156	46%
	HD SCI	350	45%
Not Below Poverty or no FAFSA	All UG	1371	54%
	HD SCI	427	55%

**Federal Low Income**

		Number	Percent
Federal Low Income	All UG	1331	53%
	HD SCI	398	51%
Not Low Income or no FAFSA	All UG	1196	47%
	HD SCI	379	49%

**Reported Disability**

		Number	Percent
Reported Disability	All UG	396	16%
	HD SCI	113	15%
No Reported Disability	All UG	2131	84%
	HD SCI	664	85%

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

		Number	Percent
Hispanic/Latino	All UG	322	13%
	HD SCI	93	12%
African-American/Black	All UG	217	9%
	HD SCI	28	4%
American Indian/Alaskan Native	All UG	182	7%
	HD SCI	44	6%
Asian	All UG	160	6%
	HD SCI	62	8%
Pacific Islander/Native Hawaiian	All UG	27	1%
	HD SCI	10	1%
White	All UG	1882	74%
	HD SCI	615	79%
Not indicated	All UG	139	6%
	HD SCI	49	6%

**Race/Ethnicity (v.2 Mutually exclusive categories)**

		Number	Percent
Hispanic, of Any Race	All UG	322	13%
	HD SCI	93	12%
African-Amer/Black, Non-Hispanic	All UG	127	5%
	HD SCI	12	2%
American Indian, Non-hispanic	All UG	93	4%
	HD SCI	17	2%
Asian, Non-hispanic	All UG	77	3%
	HD SCI	30	4%
Pacific Islander, Non-hispanic	All UG	9	0%
	HD SCI	3	0%
White, Non-hispanic	All UG	1596	63%
	HD SCI	521	67%
Multi-Racial, Non-hispanic	All UG	164	6%
	HD SCI	52	7%
Unknown Race/Ethnicity	All UG	139	6%
	HD SCI	49	6%

**Students of Color**

		Number	Percent
Students of Color	All UG	792	31%
	HD SCI	207	27%
White/Non-Indicated Students	All UG	1735	69%
	HD SCI	570	73%

**Veteran Status**

		Number	Percent
Veteran	All UG	132	5%
	HD SCI	42	5%
Non-Veteran	All UG	2395	95%
	HD SCI	735	95%

**Average Entrance GPA**

		GPA	Number
Average High School GPA	All UG	3.02	1311
	HD SCI	3.04	411
Average Prior College GPA	All UG	2.96	1576
	HD SCI	2.94	483

\*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 2019 are included in demographic analysis.

### Fall 2018 to Fall 2019 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 Retained	HD SCI Population
Number of Students enrolled Fall 19	3257	1139		
Overall Retention to Fall 20	78%	78%	892	1139
Nontraditional Age (24+)	80%	79%	436	550
Students of Color	77%	78%	216	278
Females	78%	79%	474	603
Males	78%	78%	418	536
First-Generation	80%	78%	265	341
Below Federal Poverty	81%	80%	424	533
Federal Low-Income	80%	79%	480	610
Reported Disability	76%	75%	120	159
Veteran	79%	76%	45	59

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#### Highlights:

- In fall 2020, 31% 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
- 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
  - Low Income Students
- Fall-to-fall retention analysis of undergraduates enrolled the prior fall 2019 revealed that retention rates were very similar for students enrolled in high demand science (78%) compared to the overall undergraduate retention (78%). Retention rates for students who were veterans were lower for students enrolled in high demand science curriculum.