

PATHWAYS

University of California, Los Angeles

**Demographic Characteristics for the 2013
First-Academic Period Cohort (N=6,989)**

| | Freq. | Percent |
|------------------------------------|-------|----------|
| <i>Race/Ethnicity</i> | | |
| Latino | 3,417 | 48.83 |
| Asian | 1,412 | 20.18 |
| Black | 338 | 4.83 |
| White | 398 | 5.69 |
| Multi-Racial | 941 | 13.45 |
| Other | 13 | 0.18 |
| Missing | 479 | 6.84 |
| <i>Gender</i> | | |
| Female | 3,608 | 51.56 |
| Male | 3,390 | 48.44 |
| <i>Applied for Fin. Aid</i> | | |
| No | 1,961 | 28.02 |
| Yes | 4,998 | 71.42 |
| Missing | 39 | 0.56 |
| <i>Need Based Aid</i> | | |
| No | 2,347 | 33.54 |
| Yes | 4,612 | 65.9 |
| Missing | 39 | 0.56 |
| <i>Student Status</i> | | |
| Full-time | 2,797 | 39.97 |
| Part-time | 4,201 | 60.03 |
| <i>Fall Type</i> | | |
| First-Time | 5,118 | 73.23 |
| Transfer | 1,871 | 26.77 |
| | Mean | Std.Dev. |
| <i>Age</i> | 22 | 7 |

**Educational Outcomes for the 2013 First-Academic Period
Cohort (N=6,989)**

| | Freq. | Percent |
|--|-------|---------|
| <i>Passed Gate Way Math 1st-Year</i> | | |
| No | 5,573 | 79.64 |
| Yes | 1,425 | 20.36 |
| <i>Passed Gate Way English 1st-Year</i> | | |
| No | 5,402 | 77.19 |
| Yes | 1,596 | 22.81 |
| <i>2nd-Year Persist</i> | | |
| No | 3,130 | 44.73 |
| Yes | 3,868 | 55.27 |
| <i>3rd-Year Persist</i> | | |
| No | 4,455 | 63.66 |
| Yes | 2,543 | 36.34 |
| <i>Transfer Within 3-Years</i> | | |
| No | 6,142 | 87.77 |
| Yes | 856 | 12.23 |
| <i>Award Within 3-Years</i> | | |
| No | 6,173 | 88.21 |
| Yes | 825 | 11.79 |

*Persistence is defined by whether or not the student enrolled the following Fall quarter.

*The variable *Award Within 3-years* include students who received an award (certificate/degree) within three-years' time.

**Curricular Pathways for the 2013
First-Academic Period Cohort
(N=6,977)**

| Path | Freq. | Percent |
|-------|-------|---------|
| 1 | 2,071 | 29.68 |
| 2 | 1,608 | 23.05 |
| 3 | 1,567 | 22.46 |
| 4 | 1,275 | 18.27 |
| 5 | 233 | 3.34 |
| 6 | 79 | 1.13 |
| 7 | 59 | 0.85 |
| 8 | 26 | 0.37 |
| 9 | 20 | 0.29 |
| 10 | 16 | 0.23 |
| 11 | 9 | 0.13 |
| 12 | 7 | 0.1 |
| 13 | 4 | 0.06 |
| 14 | 1 | 0.01 |
| 15 | 1 | 0.01 |
| 16 | 1 | 0.01 |
| 17 | 1 | 0.01 |
| Total | 6,977 | 100 |

*Bipartite analysis was first implemented, highlighting linkages between actors (i.e., students) and events (i.e., courses).

*Community detection methods were used for simplifying and highlighting important structures in networks.

*Two tools were used for this analysis located in the igraph package in R: *infomap.community* (derives from the map equation) developed by Rosvall, Axelsson, Bergstrom (2009) and *fastgreedy.community* developed by Clauset, Newman, and Moore (2004).

Curricular Courses Taken in School Divisions by Curricular Pathways (N=102,490)

| Courses Taken by Division | SSH Path (n=31,429) | A Path (n=20,863) | NS Path (n=25,571) | H Path (n=19,314) | VA (n=2,455) | B Path (n=826) | HSP Path (n=2,032) |
|--------------------------------------|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------|---------------------------|-------------------------------|
| <i>Social Sciences</i> | 27.22% | 20.35% | 20.73% | 18.86% | 11.49% | 17.31% | 6.25% |
| <i>Humanities</i> | 25.08% | 18.52% | 16.66% | 24.74% | 12.99% | 8.72% | 4.43% |
| <i>Arts</i> | 12.62% | 38.45% | 9.53% | 10.24% | 24.15% | 7.63% | 3.94% |
| <i>Natural Sciences</i> | 7.58% | 6.52% | 20.97% | 7.09% | 6.23% | 3.75% | 3.84% |
| <i>Health Sci./Prof.</i> | 4.41% | 2.14% | 7.59% | 2.14% | 8.51% | 4.48% | 67.96% |
| <i>Math</i> | 12.30% | 7.24% | 18.23% | 10.74% | 9.61% | 4.36% | 2.17% |
| <i>Engineering</i> | 0.10% | 0.23% | 0.23% | 0.20% | 4.81% | - | 1.67% |
| <i>Business</i> | 3.40% | 2.59% | 2.68% | 20.58% | 3.63% | 43.58% | 1.57% |
| <i>Vocational and Other</i> | 7.28% | 3.96% | 3.37% | 5.41% | 18.57% | 10.17% | 8.17% |
| Total | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

*Some of PCC's divisions were grouped for simplicity. They were grouped using information from HERI's CIRP Freshman Survey school/major categories. Social Sciences, Natural Sciences, Math, and Engineering and Technology divisions remain the same. Humanities includes English, and Languages. Arts includes Performing Communication Arts, and Visual Arts and Media Studies. Health Sciences includes Health Sciences, and Kinesiology, Health, and Athletic. Business includes Business and Computer Technology, and Business, Engineering and Tech. Lastly, Vocational and Other includes Career and Technical Education, Counseling, Non-Credit, and Library.

Demographic Characteristics for Curricular Pathways (N=6,977)

| | SSH Path (n=2,071) | A Path (n=1,608) | NS Path (n=1,567) | H Path (n=1,275) | VA Path (n=233) | B Path (n=79) | HSP Path (n=144) |
|------------------------------------|-------------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------|--------------------------|-----------------------------|
| <i>Race/Ethnicity</i> | | | | | | | |
| Latino | 68.74% | 49.01% | 41.77% | 25.65% | 50.63% | 53.09% | 36.81% |
| Asian | 10.55% | 14.7% | 25.32% | 37.37% | 17.3% | 8.64% | 22.92% |
| Black | 6.07% | 5.02% | 3.64% | 3.13% | 6.33% | 8.64% | 8.33% |
| White | 3.81% | 7.63% | 5.8% | 5.71% | 5.06% | 7.41% | 9.72% |
| Multi- Racial | 9.3% | 18.92% | 13.9% | 11.18% | 16.46% | 22.22% | 17.36% |
| Other | 0.33% | 0.12% | - | - | - | - | 0.69% |
| Missing | 1.2% | 4.47% | 9.57% | 16.89% | 4.22% | - | 4.17% |
| <i>Gender</i> | | | | | | | |
| Female | 58.67% | 52.48% | 44.07% | 48.24% | 32.49% | 58.02% | 77.78% |
| Male | 41.33% | 47.52% | 55.93% | 51.76% | 67.51% | 41.98% | 22.22% |
| <i>Applied for Fin. Aid</i> | | | | | | | |
| No | 14.78% | 31.53% | 32.29% | 40.77% | 27.54% | 32.1% | 26.43% |
| Yes | 85.22% | 68.47% | 67.71% | 59.23% | 72.46% | 67.9% | 73.57% |
| <i>Need Based Aid</i> | | | | | | | |
| No | 20.3% | 38.25% | 38.44% | 44.87% | 30.08% | 36% | 31.43% |
| Yes | 79.7% | 61.75% | 61.56% | 55.13% | 69.92% | 64.2% | 68.57% |
| <i>Student Status</i> | | | | | | | |
| Full-time | 37.24% | 34.62% | 47.07% | 47.54% | 29.54% | 17.28% | 24.31% |
| Part-time | 62.76% | 65.38% | 52.93% | 52.46% | 70.46% | 82.72% | 75.69% |
| Mean Age | 20 | 23 | 21 | 23 | 24 | 26 | 22 |

Educational Outcomes for Curricular Pathways (N=6,977)

| | SSH Path (n=2,071) | A Path (n=1,608) | NS Path (n=1,567) | H Path (n=1,275) | VA Path (n=233) | B Path (n=79) | HSP Path (n=144) |
|--|-------------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------|--------------------------|-----------------------------|
| <i>Passed Gate Way Math 1st-Year</i> | | | | | | | |
| No | 90.85% | 87.47% | 60.14% | 71.23% | 86.92% | 97.53% | 95.14% |
| Yes | 9.15% | 12.53% | 39.86% | 28.77% | 13.08% | 2.47% | 4.86% |
| <i>Passed Gate Way English 1st-Year</i> | | | | | | | |
| No | 82.03% | 81.14% | 64.6% | 73.65% | 91.14% | 98.77% | 96.53% |
| Yes | 17.97% | 18.86% | 35.4% | 26.35% | 8.86% | 1.23% | 3.47% |
| <i>2nd-Year Persist</i> | | | | | | | |
| No | 40.22% | 50.25% | 42.6% | 45.5% | 54.43% | 50.62% | 45.14% |
| Yes | 59.78% | 49.75% | 57.4% | 54.5% | 45.57% | 49.38% | 54.86% |
| <i>3rd-Year Persist</i> | | | | | | | |
| No | 60.5% | 70.22% | 57.91% | 63.57% | 74.26% | 67.9% | 79.17% |
| Yes | 39.5% | 29.78% | 42.09% | 36.43% | 25.74% | 32.1% | 20.83% |
| <i>Transfer 3-Years</i> | | | | | | | |
| No | 89.64% | 89.33% | 82.84% | 85.14% | 96.62% | 100% | 98.61% |
| Yes | 10.36% | 10.67% | 17.16% | 14.86% | 3.38% | - | 1.39% |
| <i>Award 3-Years</i> | | | | | | | |
| No | 92.34% | 91.75% | 86.03% | 84.36% | 89.03% | 88.89% | 45.14% |
| Yes | 7.66% | 8.25% | 13.97% | 15.64% | 10.97% | 11.11% | 54.86% |