

## Appendix 13 – Student Engagement Research Programs

NSCS students are involved in multiple undergraduate summer and year-round research programs of the University of Arizona. These programs are open to all STEM/Health students who have apply through a competitive application process.

### *Undergraduate Biology Research Program (UBRP)*

UBRP Cohort Summer Year	Number of students (all UBRP programs)	Number of NSCS students who received a B.S.	Number of NSCS students currently enrolled	All NSCS students (current and alumni)	Percentage of all NSCS students in UBRP
Summer 2017	92	29	0	29	32%
Summer 2018	92	25	0	25	27%
Summer 2019	97	19	0	19	20%
Summer 2020	105	25	0	25	24%
Summer 2021	117	22	1	23	20%
Summer 2022	101	8	4	12	12%
Summer 2023	107	2	6	8	8%
Summer 2024	119	0	21	21	18%
All Years, 2017-2024	612	94	25	119	19%

**Table 1.** NSCS Students in the Undergraduate Biology Research Program (UBRP). Data provided by Jennifer Cubeta, Director. Numbers listed include ALL students in EACH summer cohort (that is, if a student was in the cohort, they are counted in the number, regardless of if they participated in UBRP in another cohort). <https://ubrp.arizona.edu/>.

### *NIH-funded Minimizing Health Disparities Program (MHD) administered by the Undergraduate Research Opportunities Consortium (UROC)*

UROC MHD Academic Year	Total number of students	Number of NSCS students	Percentage of NSCS students in MHD program
2017-18	18	4	22%
2018-19	19	2	11%
2019-20	9	3	33%
2020-21	17	0	0%
2021-22	16	0	0%
2022-23	16	2	13%
2023-24	15	3	20%
2024-25	N/A	N/A	N/A
All Years, 2017-2024	110	14	13%

**Table 2.** NSCS Students in the NIH-funded [Minimizing Health Disparities Program \(MHD\)](#) for first generation and underrepresented students. MHD is administered by the Undergraduate Research Opportunities Consortium (UROC) of the Graduate College. Data provided by Program Coordinator Holly Lopez. MHD is a summer only undergraduate research program that focuses on health issues that affect minority communities in a disproportionate manner. The program is open to junior or senior biomedical majors interested in continuing their education at the PhD level.

**Ronald E. McNair Postbaccalaureate Achievement Program administered by the Undergraduate Research Opportunities Consortium (UROC)**

UROC McNair Academic Year	Number of students	Number of NSCS students	Percentage of NSCS students in McNair
2017-18	McNair started 2018	0	0%
2018-19	24	4	17%
2019-20	28	1	4%
2020-21	26	2	8%
2021-22	25	2	8%
2022-23	25	3	12%
2023-24	14	3	21%
2024-25	Starts spring 25	N/A	N/A
All Years, 2018-2024	142	15	11%

**Table 3.** NSCS Students in the [Ronald E. McNair Postbaccalaureate Achievement Program](#) administered by Undergraduate Research Opportunities Consortium (UROC). Data provided by Program Coordinator Holly Lopez. This is a two-year undergraduate research and graduate school prep program for main campus students who are either first-generation college students and low-income or who come from underrepresented backgrounds in graduation education. The goal of McNair is to prepare students for a PhD.

---

**Maximizing Access to Research Careers (MARC) Program administered by the Undergraduate Research Opportunities Consortium (UROC)**

UROC MARC Cohort Academic Year	Number of students	Number of NSCS students	Percentage of NSCS students in MARC
2017-18	8	0	0%
2018-19	6	2	25%
2019-20	9	2	22%
2020-21	7	1	14%
2021-22	8	3	38%
2022-23	No new students – no-cost extension year	2	N/A
2023-24	7	1	14%
2024-25	7	0	0%
All Years, 2017-2024	52	11	21%

**Table 4.** NSCS Students in the NIH-funded Maximizing Access to Research Careers ([MARC](#)) administered by the Undergraduate Research Opportunities Consortium (UROC). Data provided by Associate Director Cindy Neal. MARC is a two-year program for juniors and seniors targeted to underrepresented students who would like to pursue a Ph.D. or combined Ph.D./M.D. degree.

---

**ASEMS Scholar Training Academy for Research in STEM (STARS) administered by the Undergraduate Research Opportunities Consortium (UROC)**

STARS-Program Academic Year	Number of students	Number of NSCS students	Percentage of NSCS students in STARS
2022-23	9	0	0%
2023-24	14	2	14%
2024-25	N/A-summer 2025	N/A	N/A
All Years, 2022-2024	23	2	9%

**Table 5.** NSCS Students in the ASEMS Scholar Training Academy for Research in STEM (STARS) administered by the Undergraduate Research Opportunities Consortium (UROC). Data provided by Program Coordinator Holly Lopez. This is a year-round undergraduate research and mentoring program for ASEMS students who come from backgrounds underrepresented in graduate education and would like to pursue a doctoral degree (Ph.D.), Master’s degree, or M.D., D.O., D.V.M, etc.

**Border Latino and American Indian Summer Exposure to Research (BLAISER) and FRONTERA administered by the College of Medicine**

BLAISER/FRONTERA Summer Only	Number of students	Number of NSCS students	Percentage of NSCS students in BLAISER/FRONTERA
2017	31	2	6%
2018	31	2	6%
2019	31	0	0%
2020	30	5	17%
2021	46	8	17%
2022	42	4	10%
2023	50	5	10%
2024	15	1	7%
All Years, 2017-2024	276	27	10%

**Table 6.** Year by Year data from the College of Medicine’s Border Latino and American Indian Summer Exposure to Research (BLAISER) and FRONTERA. Data provided by Director Dr. Alejandra Zapien-Hidalgo. These College of Medicine sponsored programs for junior and senior level undergraduates support training in professional skills including presentations and the pursuit of laboratory research with health sciences researchers.