



STEM Academy Outcomes Overview

2013-2021

Graduation and Post-Secondary

- The STEM Academy has graduated 7 classes of students for a total of 175 graduates since the first graduation in 2015.
- STEM Academy graduates have earned the following Career Studies Certificates (CSC) and/or degrees:
 - One hundred Thirty-six (136) Engineering Fundamentals CSC
 - One Hundred (100) Mechatronics Fundamentals CSC
 - Fifteen (15) Biotechnology Fundamentals CSC
 - Twenty-five (25) Health Science Fundamentals CSC
 - Twenty (20) Cybersecurity Fundamentals CSC
 - One (1) Welding Fundamentals CSC
 - Six (6) General Studies Associate degree
 - Fifty-three (53) OSHA-10 Certifications
 - Twenty-seven (27) Stop the Bleed Certifications
- Fifty-seven percent (57%) of students enrolled in Postsecondary education following STEM Academy are in Central Virginia.
 - CVCC, Liberty University, Randolph, Sweet Briar, University of Lynchburg
- Seventy five percent (75%) of students enrolled in postsecondary education following STEM Academy are in Virginia.
 - CVCC, GMU, JMU, Liberty, Longwood, Radford, Randolph, SBC, ODU, UVA, Univ of Lynchburg, UVA-Wise, UMW, VMI, VT
- Sixty-seven percent (67%) of students who are working full time in STEM Careers are in Central Virginia.
 - Companies: AEP, Amherst EMS, AMTI, AIC, Campbell EMS, Centra Health, CloudFit, Delta Star, Laslie Auto Body, Framatome, Kowalski Racing, Liberty University IT, Swissomation

Internships

- One hundred and seventy-five (175) STEM Academy students have completed over 10,500 internship hours in twenty-one (21) local companies in Central Virginia.

- Those twenty-one (21) companies have provided the STEM Academy students with over 75 mentors who have made a positive impact on our students.
- Fifteen percent (15%) of STEM Academy students have been offered paid positions following their internship experience.

Enrollment & Applications

- The average number of applications for the last two years (77) is an increase of 60 % since the average number of applications for the first two years (48) while acceptance rates have declined from the first two years (53%) to the last two years (37%).
- There is enough interest in the STEM Academy to increase the number of students accepted each year.
- Currently there are 25 seats for juniors and 25 seats for seniors with 5 at large seats available for each grade level for a total of 30 students per grade level and 60 total students.
 - Slots are determined by ADM for December in the previous year and have not changed since the STEM Academy opened in 2013: Amherst (3 seats), Appomattox (1 seat), Bedford (8 seats), Campbell (6 seats), Lynchburg (7 seats).

	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019	2019- 2020	2021- 2021	2021- 2022
<i>Amherst</i>	6	7	7	6	7	18	15	16	14
<i>Appomattox</i>	4	1	3	3	3	2	3	8	3
<i>Bedford</i>	8	15	12	12	9	7	17	11	15
<i>Campbell</i>	4	22	30	25	28	28	35	35	22
<i>Lynchburg</i>	9	19	20	10	12	13	11	14	15
<i>TOTAL</i>	31	64	72	71	59	68	81	84	69
<i>Acceptance</i>	81%	39%	35%	35%	42%	37%	31%	32%	43%

2021-2022 School Year

30 juniors (11 engineering/mechatronics, 12 Biotech/health science, 7 Cybersecurity)

21 Seniors (10 engineering/mechatronics, 7 biotech/health science, 4 Cybersecurity)