INFORMATION TECHNOLOGY: CYBERSECURITY

Founded in 2018SP, TCC's 3 Cybersecurity Programs have experienced tremendous growth and popularity.

PROGRAM HEADCOUNTS & COURSE ENROLLMENT
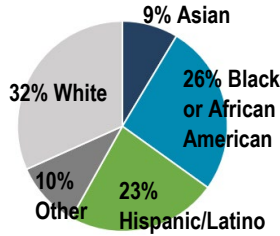
Average 2018-2019 to 2022-2023:

920 Students per year were declared in a Cybersecurity program.

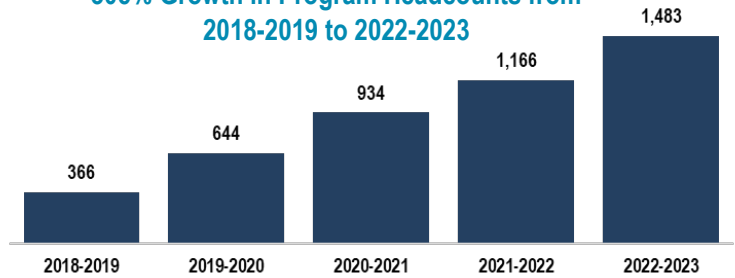**2,050** Course enrollments per year in Cybersecurity program courses.

PROGRAM GROWTH & DEMOGRAPHICS

25% Female | 75% Male

Pie chart:
- 9% Asian
- 26% Black or African American
- 23% Hispanic/Latino
- 10% Other
- 32% White

305% Growth in Program Headcounts from 2018-2019 to 2022-2023

Bar chart:
- 2018-2019: 366
- 2019-2020: 644
- 2020-2021: 934
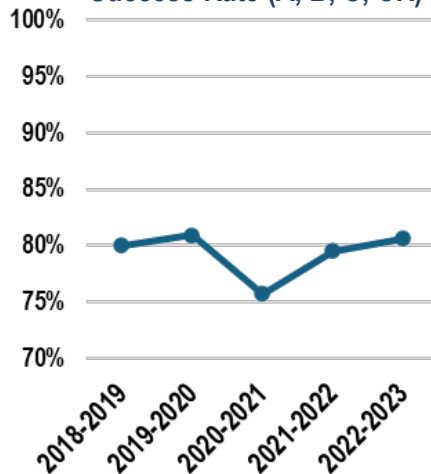- 2021-2022: 1,166
- 2022-2023: 1,483

COURSES & OUTCOMES:

The success rate in Cybersecurity courses was about 80% every year since 2018-2019, and the withdrawal rate was less than 10% every year.
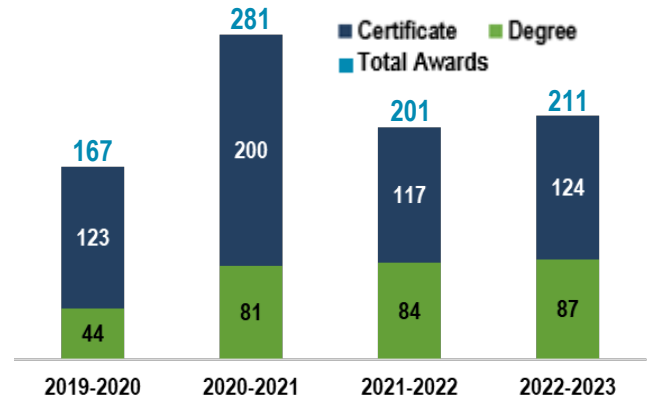
Highest Course Enrollments (100+ enrolls each year, on avg)

- ITSY-1300
- ITNW-1425
- ITNW-1309
- ITSY-2400
- ITSY-2401
- ITSY-2341
- ITSY-2330
- ITSY-2372
- ITSY-2443

Success Rate (A, B, C, CR)

Line chart (100% to 70% axis):
- 2018-2019: 80%
- 2019-2020: ~81%
- 2020-2021: ~76%
- 2021-2022: ~79%
- 2022-2023: ~81%

AWARDS EARNED:
On average about **215 awards** were earned in the Cybersecurity programs every year from 2019-2020 to 2022-2023. In total from 2018-2019 to 2022-2023, over **380 unique students** earned an associate degree and/or certificate in Cybersecurity.

Stacked bar chart (Certificate, Degree, Total Awards):
- 2019-2020: Total Awards 167; Certificate 123; Degree 44
- 2020-2021: Total Awards 281; Certificate 200; Degree 81
- 2021-2022: Total Awards 201; Certificate 117; Degree 84
- 2022-2023: Total Awards 211; Certificate 124; Degree 87

CAE DESIGNATION:
As a designated National Center of Academic Excellence in Cyber Defense, TCC upholds the Cybersecurity programs to provide:

- **Quality Assurance** – confirmation of the high standard of education
- **Relevance to Industry** – alignment with industry standards & best practices
- **Strong Faculty Expertise** – teaching by cybersecurity experts who provide valuable insights & mentorship
- **Career Opportunities** – designation makes graduates more attractive to employers
- **Research Opportunities** – cutting-edge research in the field
- **Cybersecurity Awareness** – awareness of the importance of cybersecurity education & training, leading to more students entering the field & meeting the demand for cybersecurity professionals

POSSIBLE CAREERS:

Security Management Specialists
$81K Median Salary   **20%** Projected Outlook

Forensic Science Technicians
$64K Median Salary   **20%** Projected Outlook

Source: Lightcast – 50 mile radius from Fort Worth; potential jobs may require training/education beyond TCC. TCC programs may provide first step.

NATIONAL CENTERS OF ACADEMIC EXCELLENCE IN CYBERSECURITY

Office of Institutional Research