



# Cyberpreneurship

The Fusion of Cybersecurity and Entrepreneurship  
Skip Berry - Riverside City College

To address the need for specialized cybersecurity technicians, Riverside City College (RCC) has developed a new pathway that will:

- Enhance the existing cybersecurity program by training cyberpreneurs with entrepreneurial skills and knowledge of cybersecurity tools and automation.
- Cyberpreneurs must know cybersecurity and entrepreneurial methodologies and skills.
- RCC, with advice from its Business and Industry Leadership Team (BILT), has created a Cyberpreneurship certificate and A.S. degree program that will produce graduates with cybersecurity and entrepreneurial skills prepared to work as cybersecurity contractors or cybersecurity managed services companies.

# What is the need?

- Small- and medium-sized businesses are especially impacted and are often targeted by cyber-criminals, as they are usually not adequately prepared to protect themselves.
- Often poor or no defensive strategies at all leaves these businesses open in the face of constantly evolving digital threats like ransomware attacks, intellectual property theft.
- This creates opportunity for independent contractors and managed services companies.

**46% of all cyber breaches impact businesses with fewer than 1,000 employees. This is according to Verizon's 2021 Data Breach Investigations Report.**

**Small businesses struggling to defend themselves because of this. According to Ponemon Institute's State of Cybersecurity Report, small to medium sized business around the globe report recent experiences with cyber attacks:**

- **Insufficient security measures:** 45% say that their processes are ineffective at mitigating attacks.
- **Frequency of attacks:** 66% have experienced a cyber attack in the past 12 months.
- **Background of attacks:** 69% say that cyber attacks are becoming more targeted.

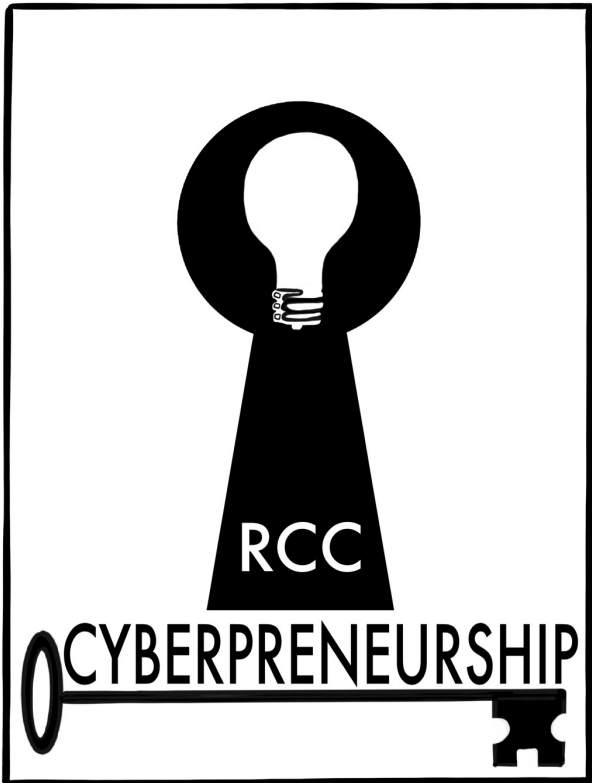
# Program Info

Existing Courses modified to include cyber or entrepreneurship modules.

Can be completed as an AS Degree or Certificate.

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|--------------------------------|--|
| <p><b>SEMESTER 1, FALL</b></p> | <p><b>BUS-73</b> Exploring the Entrepreneurship Mindset<br/> <b>BUS-30</b> Entrepreneurship Fundamentals and Foundation<br/> <b>CIS-27</b> Information and Networking Security</p>   |
| <p>SEMESTER 2, SPRING</p>      | <p><b>BUS-56</b> Cyber Law<br/> <b>CIS-27A</b> Digital Forensics</p>   |
| <p><b>SEMESTER 3, FALL</b></p> | <p><b>CIS-87A</b> IT Project Management<br/> <b>CIS-27B</b> Ethical Hacking<br/> <b>CIS-27F</b> Cyber Threat Intelligence and Automation</p>   |
| <p>SEMESTER 4, SPRING</p>      | <p><b>CIS-27G</b> Cyberpreneurship Capstone<br/> <i>Electives* (Select 1 course from the following)</i><br/> <b>BUS-10</b> introduction to Business<br/> <b>CIS-21A</b> Linux System Administration<br/> <b>CIS-25</b> Information and Communication Technology<br/> <b>BUS-24</b> Business Communication<br/> <b>ACC-65</b> Managerial Accounting</p> |

## Contact Information and Resources



You can contact us in multiple ways.

Website: <https://atecentral.net/msites/cyberpreneurship>

Use the contact us form to request more information.

NSF-ATE Project info:

[https://atecentral.net/r38320/preparing\\_cybersecurity\\_technicians\\_with\\_the\\_technical\\_and\\_entrepreneurial\\_skills\\_required\\_to\\_work\\_as\\_independent\\_contractors](https://atecentral.net/r38320/preparing_cybersecurity_technicians_with_the_technical_and_entrepreneurial_skills_required_to_work_as_independent_contractors)

You can also reach out to the cyber or cyberpreneurship program at Riverside City College via email

Email: [cyber@rcc.edu](mailto:cyber@rcc.edu) or [skip.berry@rcc.edu](mailto:skip.berry@rcc.edu)

Resources:

<https://www.verizon.com/business/en-gb/resources/reports/dbir/2021/results-and-analysis/>

<https://www.embroker.com/blog/cyber-attack-statistics/>