



Master's in **CYBER SECURITY**

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PROGRAM

ABOUT THE

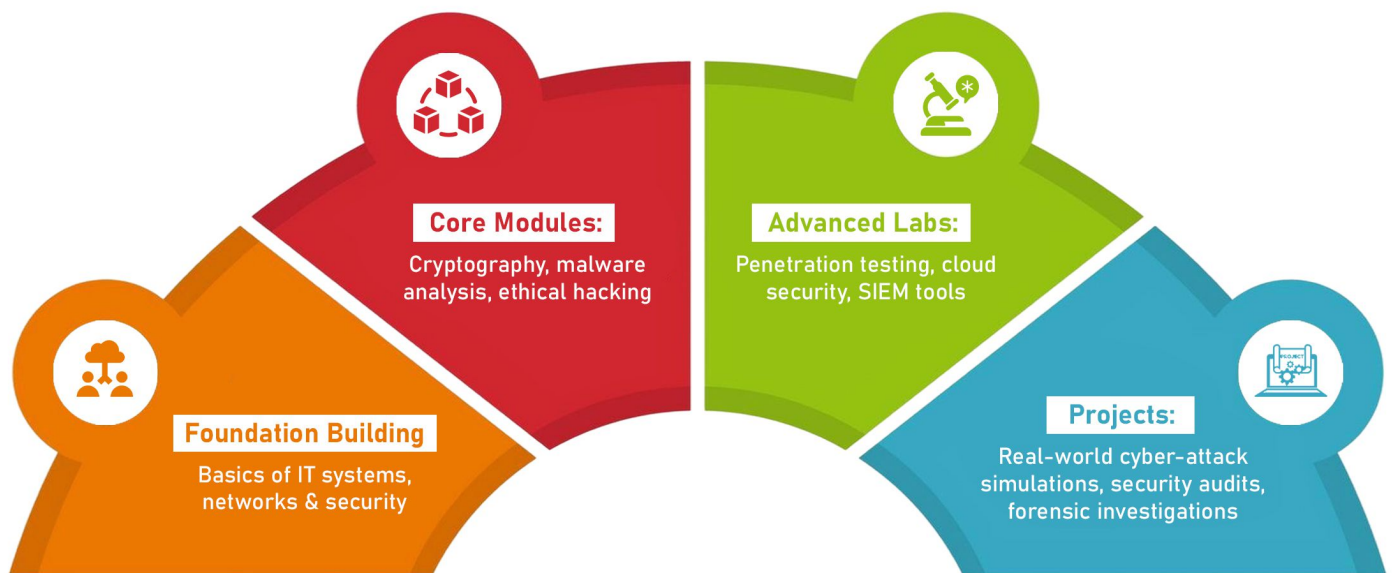
The **Master's in Cyber Security** program at Career Amend is designed to build industry-ready professionals with the skills to tackle today's evolving cyber threats. Learn from experienced instructors, work on real-world tools, and gain expertise in ethical hacking, network defense, digital forensics, and more—all within a practical, job-focused framework. Whether a fresh graduate or a working professional, this program empowers you to become a trusted security expert.



TRAINING PHASE:

Modules and Projects

The course is delivered in live sessions, interactive modules, and hands-on labs. Key learning phases include:



INTERNSHIP AND PLACEMENT SUPPORT

We provide dedicated support to help you land a high-impact role in the cyber security domain.

- Internship opportunities with partner companies
- Resume building & interview preparation
- One-on-one career coaching
- Mock interviews with industry experts

CURRICULUM OVERVIEW



SEMESTER 1: CORE FOUNDATIONS

Introduction to Cyber Security

- Cyber threat landscape
- Security principles & objectives
- Cybersecurity frameworks

Computer Networks & Network Security

- TCP/IP, DNS, firewalls
- IDS/IPS, VPNs, secure network design

Operating Systems & System Security

- Windows/Linux security
- Patch management
- Secure system configurations

Cryptography & Encryption

- Symmetric and asymmetric encryption
- Digital signatures & certificates
- Public Key Infrastructure (PKI)

Cyber Law, Ethics, and Governance

- Data protection laws (e.g., GDPR, HIPAA)
- Compliance & regulatory standards (ISO 27001, NIST)



SEMESTER 2: ADVANCED TOPICS & APPLICATIONS

Ethical Hacking & Penetration Testing

- Vulnerability assessment
- Tools: Metasploit, Nmap, Burp Suite
- Pen testing methodologies

Digital Forensics & Incident Response

- Evidence collection and chain of custody
- Forensic tools and case studies
- Building incident response plans

Cloud Security

- Security in AWS, Azure, Google Cloud
- Identity and Access Management (IAM)
- Secure cloud architecture

Malware Analysis & Reverse Engineering

- Types of malware & behavior analysis
- Static & dynamic analysis techniques

Security Operations & Risk Management

- SIEM tools (Splunk, QRadar)
- Threat intelligence & risk assessment
- Security policies & incident handling

Capstone Project & Industry Training



KEY HIGHLIGHTS

12 months of
immersive
learning

Real-world
Internship
Opportunities

1:1 Career
Counseling and
Mentorship

01

03

05

02

04

06

Hands-on
Capstone
Projects

Resume
Building &
Interview
Preparation

Placement
Assistance
with Top
Companies



WHY CHOOSE CAREER AMEND?



Learn from industry experts with real-world project experience

Access personalized mentorship and career guidance

Receive dedicated placement support and mock interview preparation

Build a strong professional portfolio with capstone projects

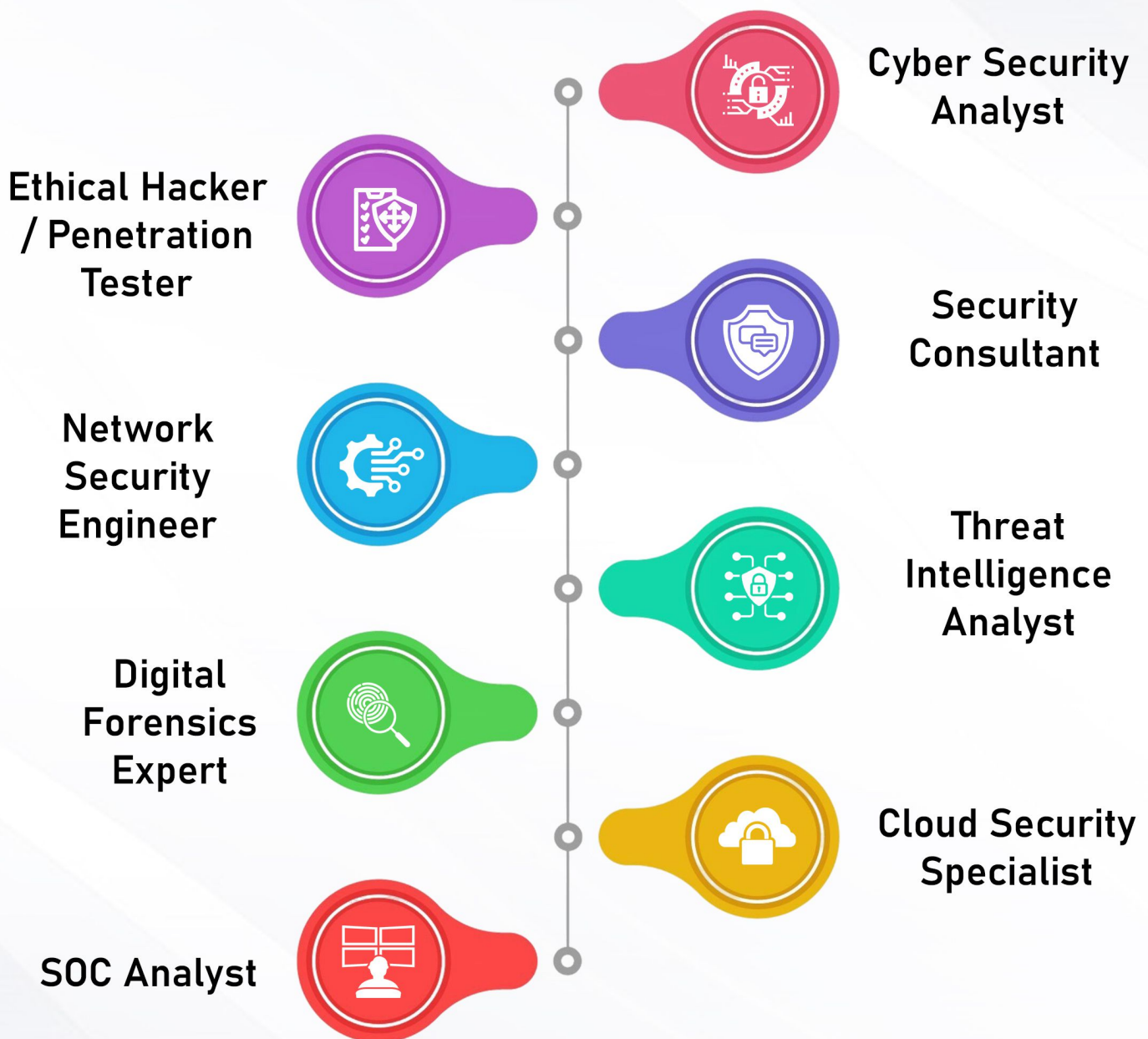
Stay updated with the latest industry trends and tools

Connect with a strong network of hiring partners and top companies

Partnerships with leading tech companies & startups

CAREER OPPORTUNITIES

Upon successful completion, explore roles such as:



ADMISSION PROCESS

Application Submission:

Fill out the online application form.

Get a Call:

Receive a call from a dedicated counselor to discuss your path.

Enrollment:

Confirm your seat by completing the admission process.

HIRING PARTNERS





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