Boise State University Online
Information Session

Cyber Operations & Resilience (CORe) Degrees
Pending State Board of Education Approval February 2020
Sin Ming Loo, PhD  
Professor  
Electrical Computer Engineering  
- Grand Poobah for Cyber CORE  
- Point of contact for all Cyber CORE questions, including curriculum

Janelle Woolf  
Student Success Coach  
Online Recruitment Team  
- First point of contact for interested students.  
- Excited to build pathways for students!  
- Happy to connect your students with the CORE program or other online options!

Heather Ropleato  
Online Recruitment Manager  
- Dog mom!  
- Excited to build pathways for students!  
- Happy to help make connections to Boise State!
Our Plan for Today

1. Let’s get to know each other!
2. Why Boise State?
3. Asynchronous Online Cyber Operations & Resilience degrees
4. Admissions Requirements
5. Let’s Connect!
Tell us about you!

• Tell us about your team

• Tell us about your students.

• Are your students thinking about going on to get a bachelors or masters degree?
Why Boise State?

WELL-DESIGNED
- Built by instructional experts
- Coursework tied to workforce needs
- Customizable concentration areas applicable to any industry
- Obtain Industry Certification

DISTINGUISHED
- Real industry cybersecurity practitioners
- Real Boise State degree
- Real connections
- Northwest Commission on Colleges & Universities REGIONAL ACCREDITATION
SUPPORTIVE

- Academic Advisor
- Career services
- Tutoring resources
- Library access
- IT assistance/resources
- Your success team
We Bring the Blue to You!
Introducing CORe

- People
- Process
- Technology

Academic Emphasis Area
- Interests and passions
- Practical skill sets
- Meaningful credentials

Integrative Thinker
Breadth + Depth
Become

Educational History
- Technical and academic
- Online and in-person
- All levels of higher education from any institution

Experience and Goals
- Personal and professional
- Successes, obstacles and aspirations
- Goals and career focus

Know + Do
### Boise State BAS/BS CORe Degree Requirements

#### Foundational/ General Electives
- 36-38 General Electives and 2-4 Electives Credits
- Can be completed at a regionally accredited community college

#### Elective Credits
- 39-47
- Can be transferred from previous institutions
- Can be lower or upper division credits
- Utilize industry certification for credit

#### Upper Division Electives
- 36-43 CORe required credits
- Customize degree plan with minors and certificates

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**Total to Graduate:** 120 Credits
Undergraduate Cyber CORe Degree Required Credits

**Required CORe Courses (27 cr)**
- Cyber Systems Thinking
- Cyber Project Management
- Cyber Risk Assessment
- Information Assurance
- Offensive Security
- Defense Security
- CompTIA Network+
- CompTIA Security+
- Capstone Course

**Choose your Path! (6 - 13 cr)**
- Cyber Risk Assessment
- Applied Cybersecurity Programming
- AI/ML
- IoT Architectures
- SOC
- Cyber Business and Regulatory
- Red and Blue Teams
- Cyber Threat Intelligence
- Cyber Resilience Design

**Electives (39 - 47 cr)**
Chart your own path (What do you want to be?)
What do you want to learn about: People (e.g. anthropology, psychology, etc.), Process (management, supply chains, etc), or Technology (programming, electrical engineering, etc.)?

**General Education (37 - 38 cr)**
Prepare for Industry Certifications
M.S. Cyber CORe Degree Required Credits

Cyber Essentials (total 10 credit hours)

Experiential (pick two, 2 credit hours)
- teach a course, complete and present a project, obtain a certification

Pick Two (total 18 credit hours)
- Resilience Engineering Certificate (9 credit hours)
- Analyst and Threat Intelligence Certificate (9 credit hours)
- Governance Policy Administration Certificate (9 credit hours)

Cyber Essentials (total 10 credit hours)
Boise State Online
Cyber Degrees and Certificates

Bachelor of Science, Cyber Operations and Resilience (CORe)
- Cybersecurity For All Undergraduate Certificate
- Cyber Operations Undergraduate Certificate
- Cryptography and Cryptanalysis Undergraduate Certificate

Master of Science, Cyber Operations and Resilience (CORe)
- Governance Policy Administration Certificate
- Resilience Engineering Certificate
- Cryptography and Cryptanalysis Graduate Certificate
- Analyst and Threat Intelligence Graduate Certificate
AFFORDABLE

- Financial aid options
- Scholarships
- Low tuition costs
- Undergrad: $350 per credit
- Grad: $525 per credit
Admission Requirements

If earned less than 14 college credits*
- A 2.5 cumulative High School GPA
- If under 21, ACT & SAT Scores required

If earned over 14 college credits*
- A 2.25 cumulative GPA
- If cumulative GPA is 2.00-2.24 case-by-case basis

If earned Associate of Arts, Associate of Science, Associate of Applied Science*
- A 2.00 cumulative GPA or higher

*All college credits must be earned from a regionally accredited institution
Transfer Preparation

- Core Certified
- Academic Certificate for In-State schools + AAS
Application Process

• Following SBOE approval of the new degree plan, applications will be open March 2021
  • Official transcripts
  • 2-3 weeks for a decision
  • Transfer Credit Evaluation
Let’s Connect!

Dr. Sin Ming Loo
Grand Poobah for Cyber CORe
- Email: smloo@boisestate.edu

Janelle Woolf, Student Success Coach
First person students contact
- Phone: 208-426-5921
- Text: (208) 408-3811
- Email: cyberonline@boisestate.edu
- Schedule an Appointment: https://janellewolff.youcanbook.me/

Does this fit YOU?
Create the next step in YOUR journey!
Boise State Online Degrees and Certificates
<table>
<thead>
<tr>
<th>University Foundations Courses</th>
<th>37-38 total credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF 100 Foundations of Intellectual Life</td>
<td>3</td>
</tr>
<tr>
<td>UF 200 Foundations of Ethics and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>FW ENGL 101 Writing and Rhetoric I</td>
<td>3</td>
</tr>
<tr>
<td>FW ENGL 102 Writing and Rhetoric II</td>
<td>3</td>
</tr>
<tr>
<td>FC Foundations of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>FM Foundations of Mathematics (MATH 254 Intro to Statistics)</td>
<td>3-4</td>
</tr>
<tr>
<td>FN Foundations of Natural, Physical, &amp; Applied Sciences with lab</td>
<td>3</td>
</tr>
<tr>
<td>FN Foundations of Natural, Physical, &amp; Applied Sciences course in a second field</td>
<td>3</td>
</tr>
<tr>
<td>FA Foundations of Arts</td>
<td>3</td>
</tr>
<tr>
<td>FH Foundations of Humanities</td>
<td>3</td>
</tr>
<tr>
<td>FS Foundations of Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>FS Foundations of Social Sciences course in a second field</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>27 total credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPS 301 Information Assurance and Critical Thinking (Cyber Ops Cert)</td>
<td>3</td>
</tr>
<tr>
<td>CPS 401 Defensive Security (Cyber Ops Cert)</td>
<td>3</td>
</tr>
<tr>
<td>CPS 402 Offensive Security (Cyber Ops Cert)</td>
<td>3</td>
</tr>
<tr>
<td>CPS 403 Recovery and Forensics (Cyber Ops Cert)</td>
<td>3</td>
</tr>
<tr>
<td>CPS 411 Networking (CompTIA Network+)</td>
<td>3</td>
</tr>
<tr>
<td>CPS 412 Foundational Essential for IT Cyber Security Practitioner (CompTIA Security+) (Cyber Ops Cert)</td>
<td>3</td>
</tr>
<tr>
<td>CORE 400/500 Cyber Systems Thinking (Co-requisite for all CORE courses)</td>
<td>3</td>
</tr>
<tr>
<td>CORE 405 Cyber Project Management and Design</td>
<td>3</td>
</tr>
<tr>
<td>CORE 470/570 Cyber Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>Choose at least 3 Courses (Cyber Essentials)</td>
<td>3 total credits</td>
</tr>
<tr>
<td>CORE 401/501 Cyber Risk Assessment (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>CORE 410/510 Applied Cyber Security Programming</td>
<td>1</td>
</tr>
<tr>
<td>CORE 411/511 Artificial Intelligence &amp; Machine Learning (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>CORE 413/513 Internet of Things Architecture (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>CORE 420/520 Cyber Security Operations Center (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>CORE 421/521 Cyber Business and Regulatory Operations (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>CORE 422/522 Cyber Red and Blue Teams (Essentials)</td>
<td>1</td>
</tr>
<tr>
<td>Finishing Foundation (FF)</td>
<td>3 total credits</td>
</tr>
<tr>
<td>FF CORE 480 Cyber Capstone (pre-req: CPS 301, CORE 405, &amp; CORE 470)</td>
<td>3</td>
</tr>
<tr>
<td>Choose at least 1 Course (Cyber Depth)</td>
<td>3 total credits</td>
</tr>
<tr>
<td>CORE 450/550 Cyber Threat Intelligence (Threat Intelligence)</td>
<td>3</td>
</tr>
<tr>
<td>CORE 460/560 Cyber Resilience Systems Design (Resilience Analyst)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>39-47</td>
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<tr>
<td>Electives to total 120 credits (40 or 30 portfolio)</td>
<td>120</td>
</tr>
<tr>
<td>Total</td>
<td>120</td>
</tr>
</tbody>
</table>
What are you looking for?

- Will a degree help with your career/personal goals?
- What is most important about choosing an online degree?
- Why now?