

FRSecure CISSP Mentor Program

2023

Class #1 - Introduction

Evan Francen – FRSecure and SecurityStudio Co-Founder & CEO



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

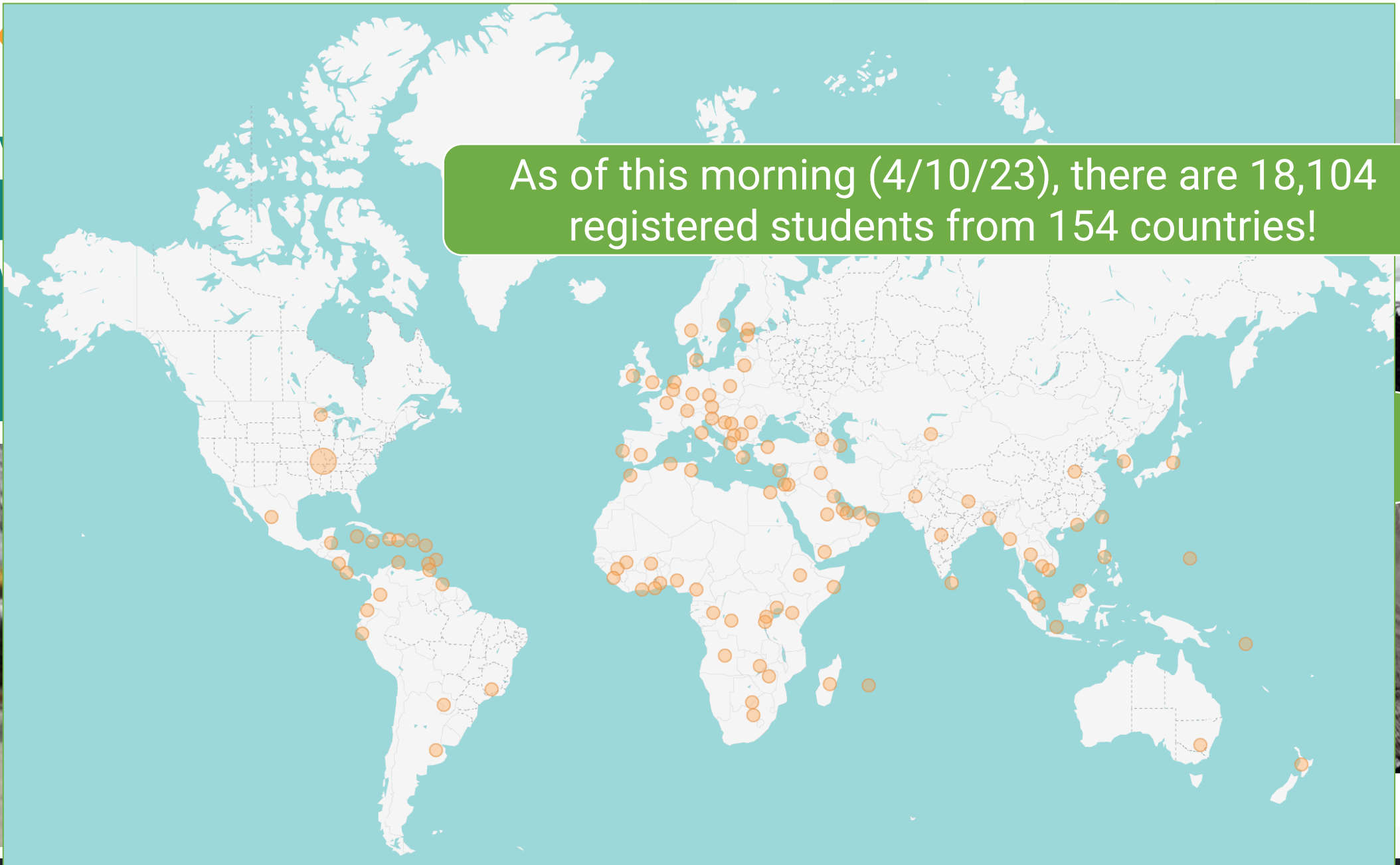
Welcome!

WELCOME!





As of this morning (4/10/23), there are 18,104 registered students from 154 countries!



So...

V

Willkommen স্বাগতম Witamy 환영합니다
 வரவேற்பு ကကြိုပါတယ် ਜੀ ਆਇਆ ਨੂੰ। Welcome
 E ku abo أهلاً و سهلاً BENVENUTO HOAN NGHÊNH
 Dobrodošli **Bienvenidos**
 Benvido Hoş geldiniz
 පැමිණි Selamat datang Fáilte நல்வரவு
 pagdating καλωσόρισμα Bine ați venit Nau mai
 VITAJTE 歡迎 ڤخير Բարի գալուստ **स्वागत हे**
 ਸਵਾਗਤ Mirë se vjen ڤيخیر Բարի գալուստ
 សូមស្វាគមន៍ సుస్వాగతం ようこそ ยินดีต้อนรับ
Bienvenue Aloha саламдашуу བེགས་པར་དགའ་བསུ་བྱ།
 Добро пожаловать!
 benvenuti സ്വാഗതം ברוכים הבאים **bem-vindos**

So...

V

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 benvenuti ברוכים הבאים bem-vindos

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CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Evan Francen



In action!



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Evan Francen<https://www.linkedin.com/in/evanfrancen/>

@evanfrancen

Professionally, I do a lot of information security stuff.

Short version:

- CEO and Co-founder of **FRSecure** and **SecurityStudio**
- Co-inventor of SecurityStudio (or S²), the platform for managing information security risk.
- Co-inventor of S²Org, S²Vendor, S²Team, and S²Me.
- Co-inventor of S²Score, a quantitative measurement of information security and vendor risk used by 5,500+ organizations.
- Created the **Certified virtual Chief Information Security Officer (CvCISO) Program**.
- Created the Tangible Experience and Apprenticeship for Cybersecurity in HigherEd (TEACH).
- Created the Whole of Information Security (WISE) model.
- Co-host some shows; UNSECURITY Podcast and the Security Sh!t Show.
- Tell the **truth** (always), **simplify** (everything), and **serve** (everyone).



In action!



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Evan Francen<https://www.linkedin.com/in/evanfrancen/>

@evanfrancen



In action!

Professionally, I do a lot of information security stuff.

Short version:

- Advised legal counsel in high-profile breaches including Target and Blue Cross/Blue Shield.
 - 2014/2015 - Consultant to the Special Litigation Committee of the Board of Directors of Target Corporation; derivative action related to the “Target Breach”.
 - 2015/2016 – Consultant to legal counsel and Blue Cross/Blue Shield related to remediation efforts (post-breach).
 - Served as an expert witness in multiple federal criminal cases, mostly involving alleged stolen trade secrets
- Served 100s of companies; big (Wells Fargo, Target, US Bank, UnitedHealth, etc.) and small.
- Lots of television and radio, lots of information security talks at conferences, and 750+ published articles about a variety of information security topics.

“Evan’s straightforward analysis of information security risk as fractured, incomplete and disconnected is spot on.” – CISO, University of Miami

“I don’t think I’ve met a more successful guy in this industry with less bullshit.” – Roger Grimes



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 - Served as an expert witness in multiple federal criminal cases, mostly involving alleged stolen trade secrets
- Served 100s of companies: big (Wells Fargo, Target, US Bank, UnitedHealthcare)
- Lots of television, radio, and conference appearances on information security topics.

Oh, I wrote a book too, but whatever.

<https://www.amazon.com/Unsecurity-Information-security-failing-epidemic/dp/164343974X/>

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CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Evan

About this.

Focus on the mission and you'll make money.
Focus on the money and you won't make the mission.

Profes

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- Served 100s of companies: big (Wells Fargo, Target, US Bank, UnitedHealth)
- Lots of telev conferences on security topics.

#MissionBeforeMoney



In action!

Oh, I wrote a book too, but whatevs.

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@evanfrancen



In action!

Personally, I do a lot of other stuff.

Short version:

- Believer and follower of **Jesus**.
- Husband, and my wife is way too good for me.
- Father of five children. It's a miracle they turned out as good as they did. Like, seriously a miracle!
- Dog lover, maybe obsessively so.
- Biker, the kind with a motor. Ride Harleys (and only crashed a couple). Flippin' deer!
- Plenty of tattoos. They told me I had to if I wanted to be a "real" Harley rider. They lied.
- Scuba diver. Surprised they let me do this.
- ADD is my superpower and it's my curse. I do a lot of stuff but kill myself in the process.
- Not known to be politically correct, but I think that's good, right?!
- There's a bunch more, but that's good for now.



I do what I do because I serve my mission and the purpose behind the mission is **PEOPLE**; therefore, I do what I do because I **LOVE PEOPLE**.

This is the reason I'm SUPER excited
you're here!

(full transparency: I don't like a lot of people, but I do love them)



I do what I do because I serve my mission and the purpose behind the mission is **PEOPLE**; therefore, I do what I do because I **LOVE PEOPLE**.

INFOSEC WISDOM

Information security is NOT about information or security as much as it is about people.

(full transparency: I don't like a lot of people, but I do love them)



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight's Agenda

Yes, I have one!



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight's Agenda

- Did I say “**welcome**” yet?!
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CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight's Agenda

- Did I say “**welcome**” yet?! ☒
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CISSP® MENTOR PROGRAM – SESSION ONE

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Tonight's Agenda

- Did I say “**welcome**” yet?! ☒
- **Why** are **we** here?
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- Did I say “**welcome**” yet?! ☒
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The purpose behind the CISSP® Mentor Program and how we've come to this point.



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- **Why** are **we** here?
- **WHY** are **YOU** here?
-
-
-
-

YOU are here for a reason
and it's important to us.

If you don't know why you're
here, we can tell you why
WE WANT YOU HERE.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight's Agenda

- Did I say “**welcome**” yet?! ☒
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- About **FRSecure**.
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I admit I'm biased, but this is
the **BEST** group of people
EVER!

You'll love these guys. I do. 😊



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Thank God you're not
stuck with me!

Get to know your
INCREDIBLE instructors.
The BEST of the BEST!



CISSP® MENTOR PROGRAM – SESSION ONE

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- Did I say “**welcome**” yet?! ☒
- **Why** are **we** here?
- **WHY** are **YOU** here?
- About **FRSecure**.
- Your **instructors**. (they're pretty **great**)
- What is the **CISSP Mentor Program**?
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The schedule, who's doing what, common questions, etc.



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- The **CISSP Mentor Program**?
- More about **MISSION**
-



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You might have noticed this.


#MissionBeforeMoney



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You might have noticed this.

These aren't just words.

Our **mission** is the purpose behind **everything** we do!


I'll explain and invite you to join us.



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- More about **MISSION**
- How to get the **MOST** out of this!



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- More about **MISSION**
- How to get the **MOST** out of this!

Although the CISSP® Mentor Program doesn't cost money, **there is a cost.**


The cost is time, commitment, and work.



CISSP® MENTOR PROGRAM – SESSION ONE

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- More about **MISSION**
- How to get the **MOST** out of this!

Although the CISSP® Mentor Program doesn't cost money, **there is a cost.**

The cost is **time, commitment,** and **work.**

These cost more than money, but this is an investment in **YOU.**



CISSP® MENTOR PROGRAM – SESSION ONE

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Things in RED (like this) are wisdomy things I don't want you to forget.

Although the CISSP® Mentor Program doesn't cost money, **there is a cost.**

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Yes, I know “wisdomy” isn't really a word.

Although the CISSP® Mentor Program doesn't cost money, **there is a cost.**

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- The **CISSP Mentor Program**?
- More about **MISSION**

Things in RED (like this) are wisdomy things I don't want you to forget.

Yes, I know “wisdomy” isn't really a word.

Wisdom given is easy, but wisdom gained is _____.

Although the CISSP® Mentor Program doesn't cost money, **there is a cost.**

The cost is **time**, **commitment**, and **work**.

These cost more than money, but this is an investment in **YOU**.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...

Why are you doing this?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...

Why are you doing this?

It's the mission.





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...

Why are you doing this?

It's the mission.

What's the mission?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...

Why are you doing this?

What's the mission?

It's the mission.

To fix the broken industry.





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

It starts with a story...

Why are you doing this?

What's the mission?

OK.

It's the mission.

To fix the broken industry.





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

- It starts with a story...
- So, the mission is “**to fix the broken industry**”.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

- It starts with a story...
- So, the mission is “**to fix the broken industry**”.
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What's broken?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

- It starts with a story...
- So, the mission is “**to fix the broken industry**”.
- LOTS, but we’ll stay focused for now.
- -
 -
 -

What’s broken?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Why are we here?

- It starts with a story...
- So, the mission is “**to fix the broken industry**”.
- LOTS, but we’ll stay focused for now.
- With respect to the CISSP® Mentor Program
 - **Allegedly, we don’t have enough talent.**
 -
 -

What’s broken?





CISSP® MENTOR PROGRAM – SESSION ONE

INNOVATION

The Widening Cybersecurity Talent Gap And Its Ramifications In 2022



Nadav Arbel Forbes Councils Member

Forbes Technology Council COUNCIL POST | Membership (Fee-Based)

Jan 28, 2022, 09:30am EST

*Nadav is the co-founder and CEO of [CYREBRO](#).*

t's broken?





CISSP® MENTOR PROGRAM – SESSION ONE

INNOVATION

The cybersecurity skills gap persists for the fifth year running

<https://www.techrepublic.com/article/the-cybersecurity-skills-gap-persists-for-the-fifth-year-running/>



by **Hope Reese** in **Security**
on August 16, 2021, 5:51 AM PDT

Most organizations are still lacking talent, according to a new report, but experts think expanding the definition of a cybersecurity professional can help.

 **Meraki**

**Ensure the
network works
wherever the**

The report, which surveyed 489 cybersecurity employees, shows that a heavier workload (62%), unfilled positions (38%) and worker burnout (38%) are contributing to the skills gap. Nearly all surveyed (95%) believe the gap has not improved in recent years.



CISSP® MENTOR PROGRAM – SESSION ONE

INNOVATION

The cybers running



Most organizations are experts think expanding

Dec 7, 2021 | When will supply meet demand?

700K more cybersecurity workers, but still a talent shortage



John P. Mello Jr.
Freelance writer

For the second year in a row, the global shortage of cybersecurity workers has eased, but it's still not time to celebrate, much less relax.

Now for some **CONTEXT.**

72 million unfilled job openings was reported in the latest nonprofit association of certified cybersecurity professionals, in its annual [Cybersecurity Workforce Study](#).

However, the study shows that [the cybersecurity workforce gap increased](#) in every region in the world except the Asia-Pacific region. Even at that, Asia-Pacific still had a workforce gap of 1.42 million, the largest of any region in the world.

HELP WANTED



More on Information Security



There's much to learn

A holistic approach to digital safety

by Coby Gurr



Fight burnout

3 reasons why no-code is vital to security teams

by Eoin Hincky

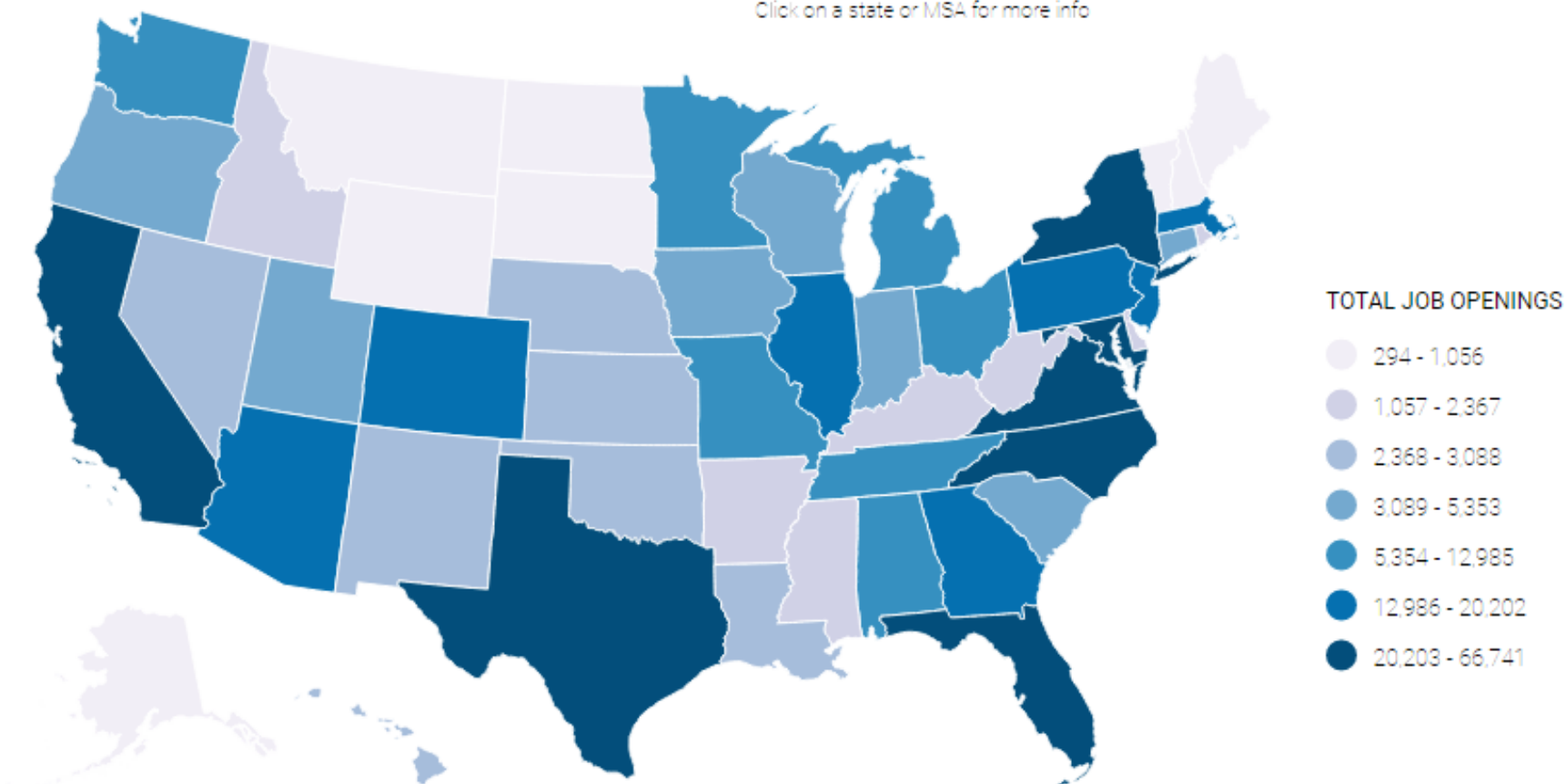


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OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Total Job Openings. 2021.

Click on a state or MSA for more info



Source: CyberSeek – www.cyberseek.org

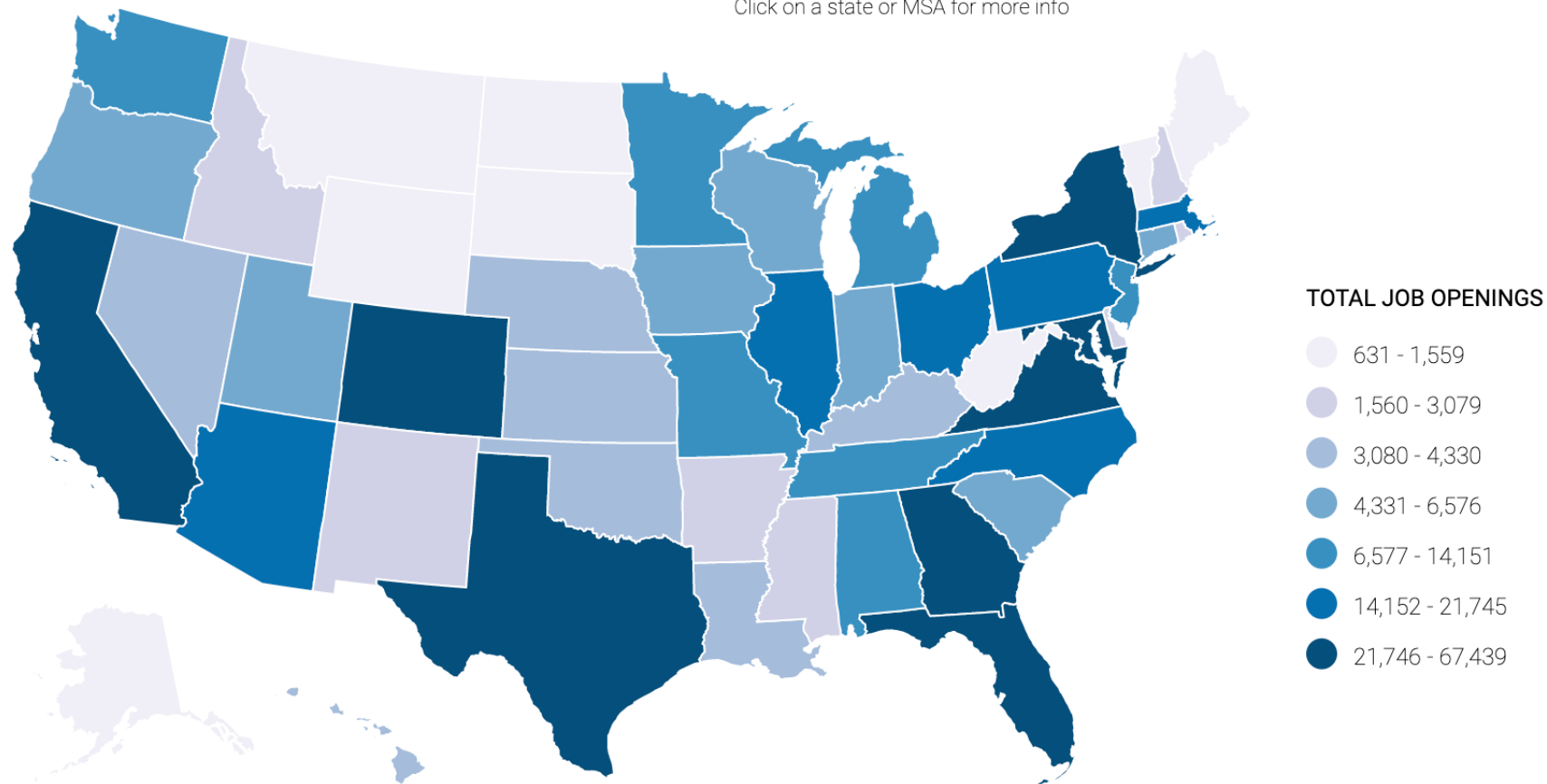


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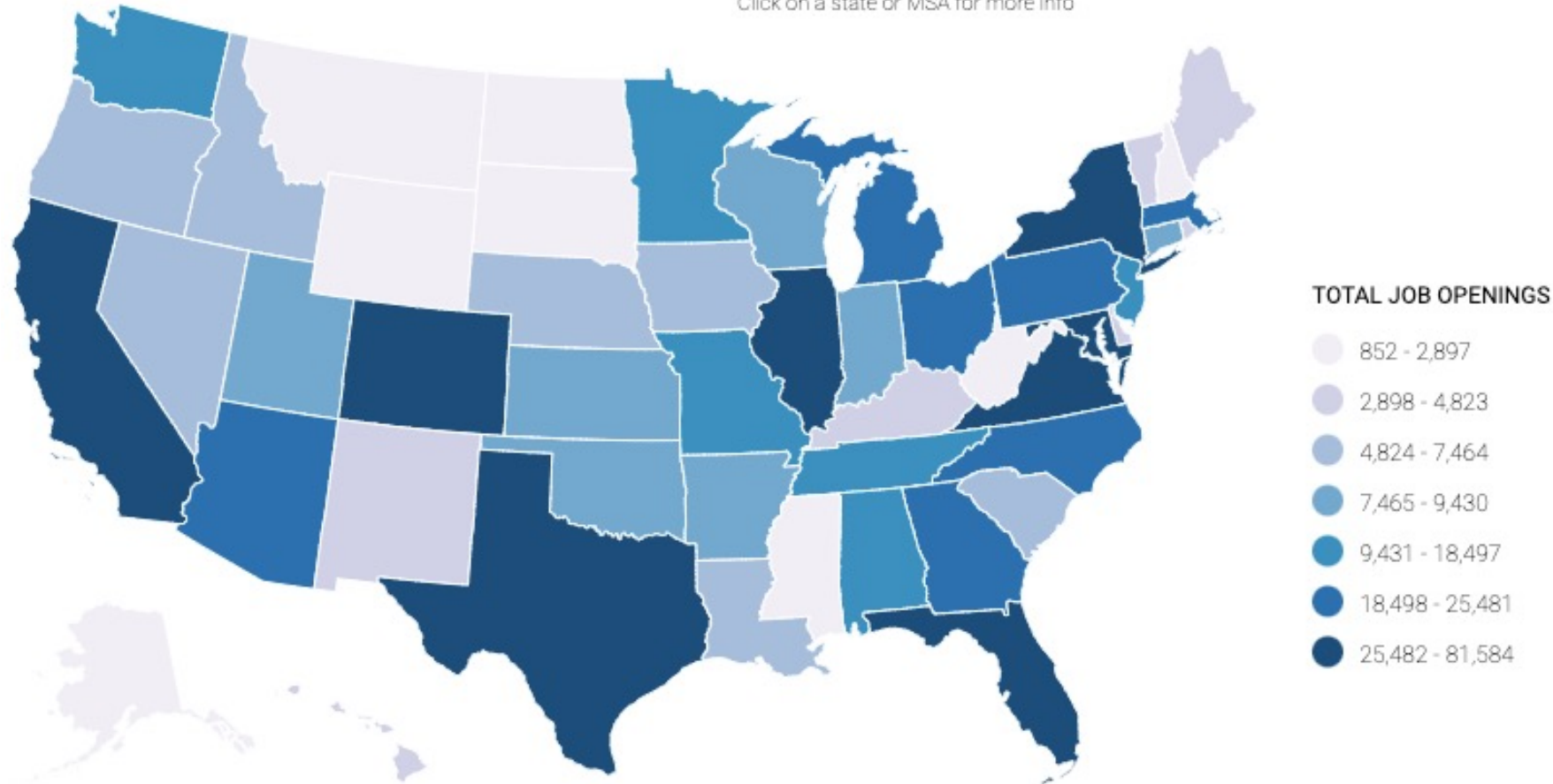


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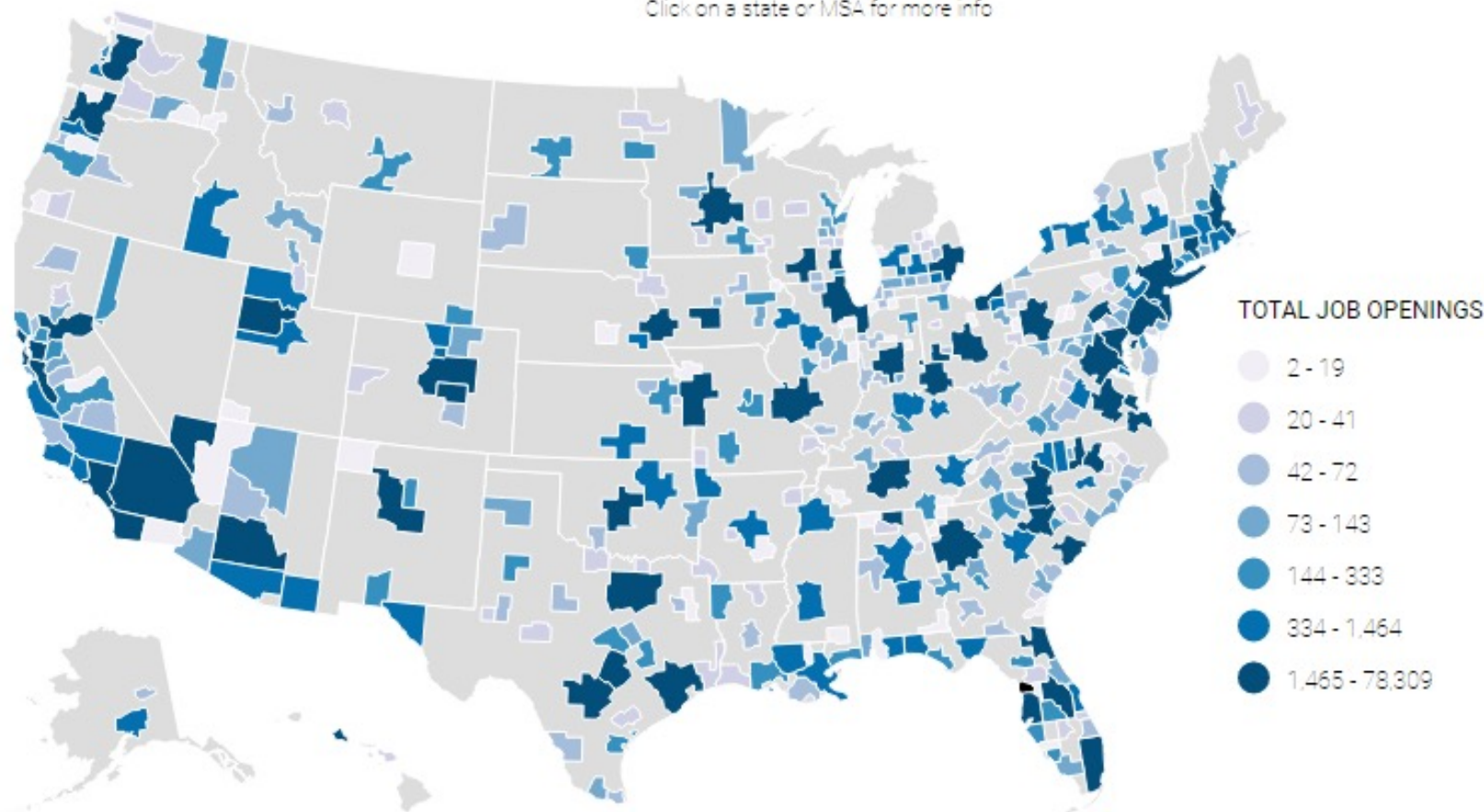


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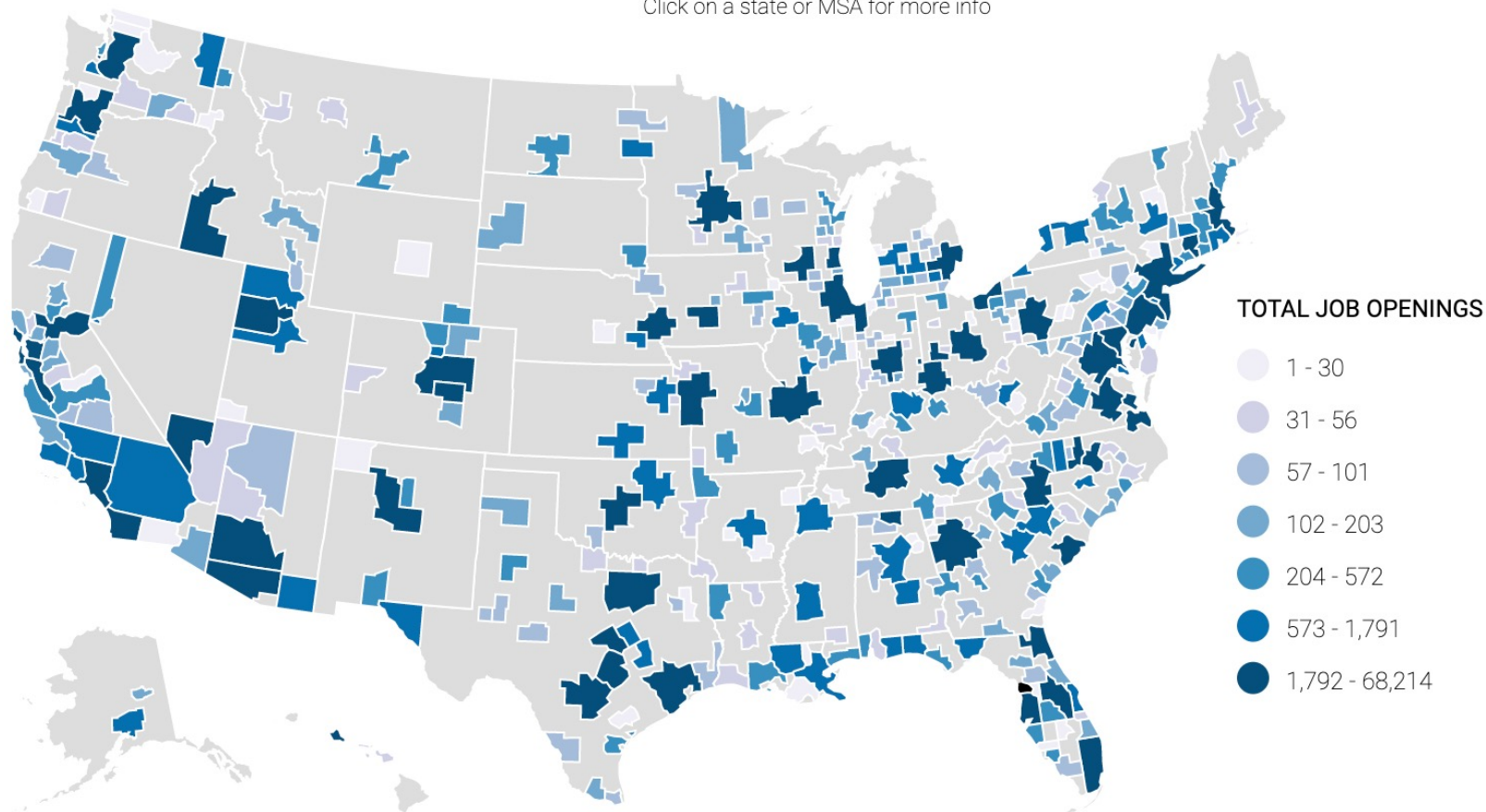


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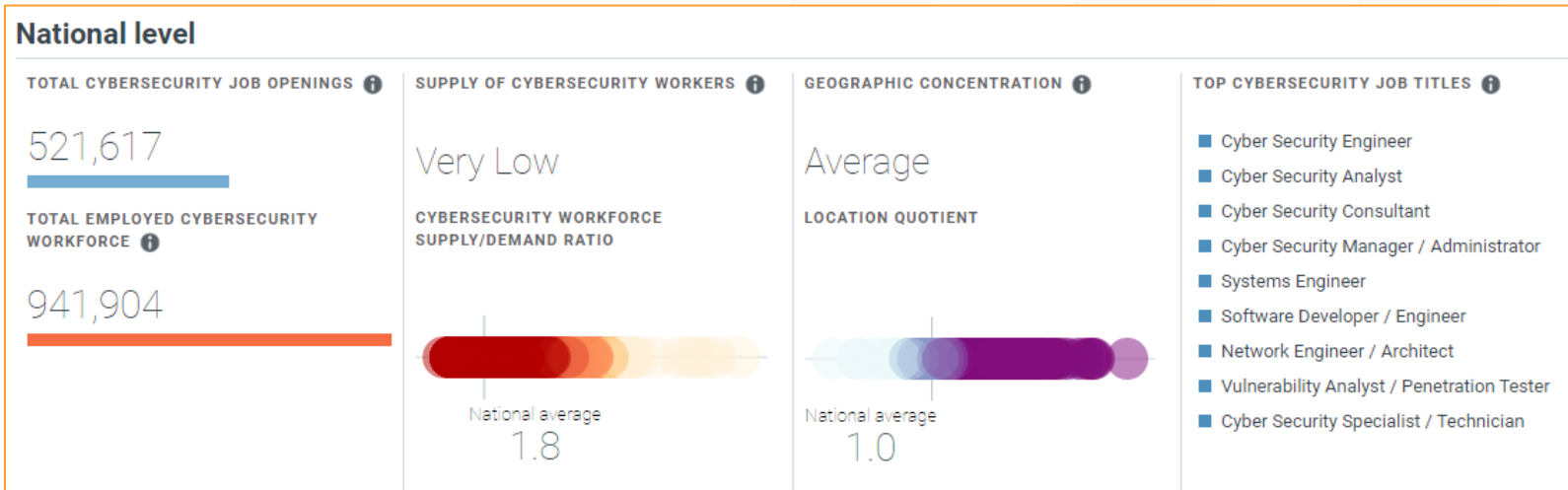


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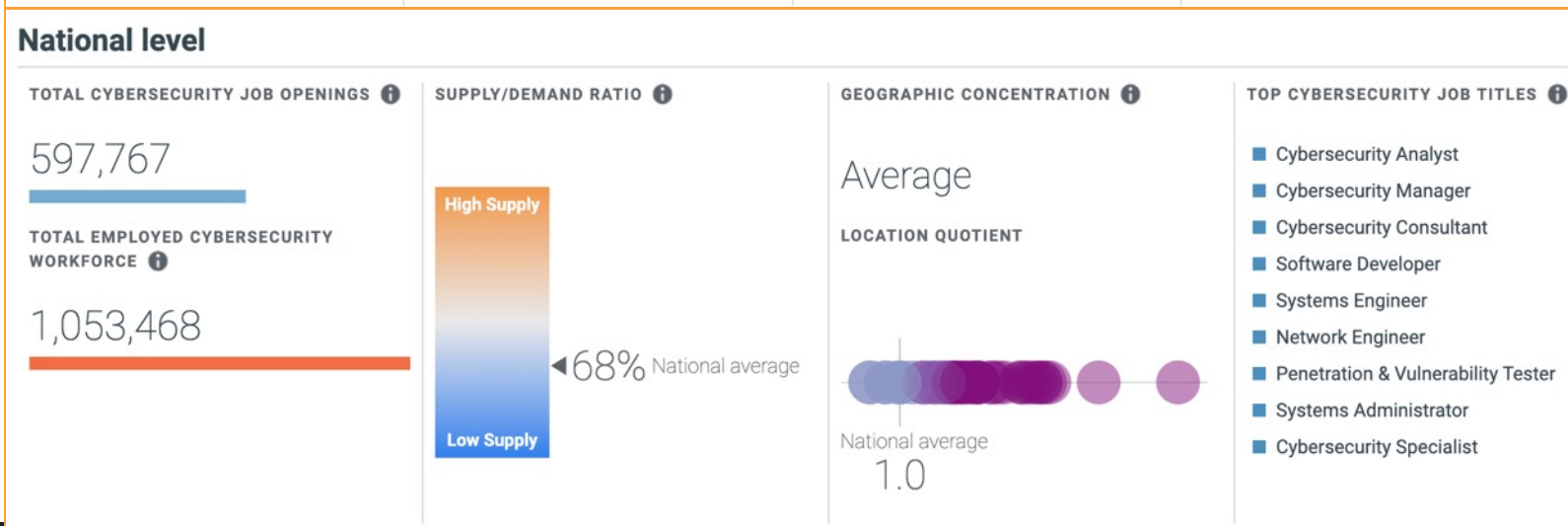
OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Total Job Openings.

2021



2022



www.cyberseek.org

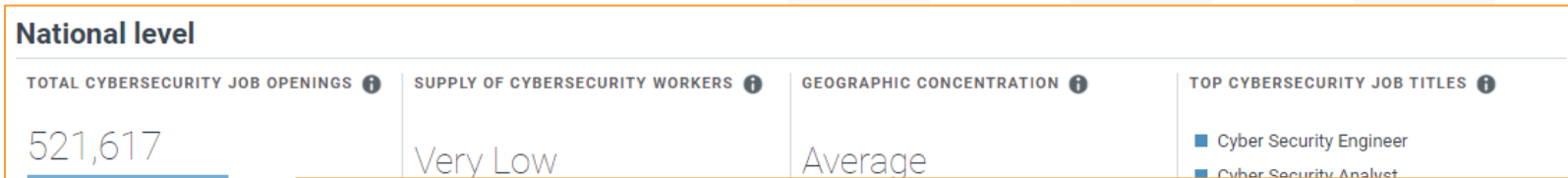


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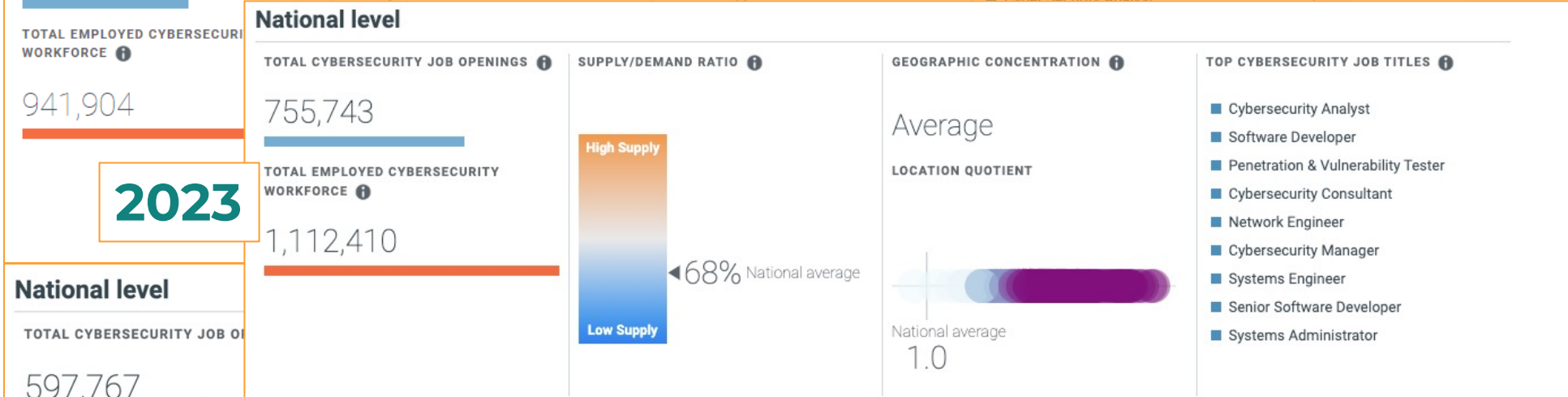
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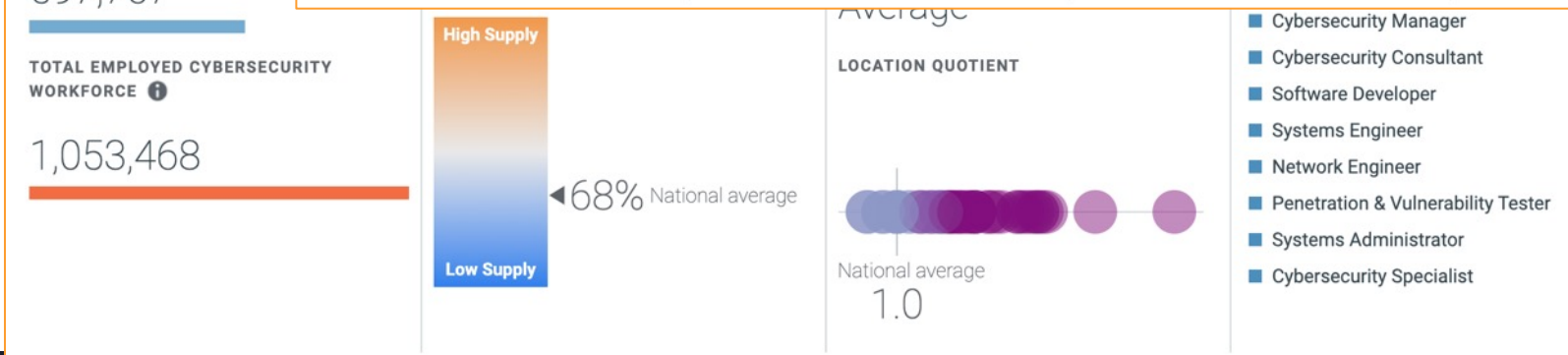
2021



2023



2022



www.cyberseek.org



CISSP® MENTOR PROGRAM – SESSION ONE

OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Average Pay.

CERTIFICATION HOLDERS / OPENINGS REQUESTING CERTIFICATION ⓘ

■ Certification holders

■ Openings requesting certification

Certified Information
Systems Security
Professional (CISSP)

116,984

CompTIA Security+

84,863

Certified Information
Systems Auditor (CISA)

64,719

Global Information
Assurance Certification
(GIAC)

52,411

Certified Information
Security Manager (CISM)

45,832

Certified Information
Privacy Professional
(CIPP)

4,507

PayScale

According to PayScale, CISSP certification holders will take home an average annual salary of \$119,000 in 2022.

ZipRecruiter

ZipRecruiter reports that in 2022, CISSP cert holders can expect to earn an average salary of \$125,470 per year.

SimpliLearn

According to SimpliLearn, you will make an average annual salary of \$116,573 if you have your CISSP certification.

No doubt, there's opportunity!



CISSP® MENTOR PROGRAM – SESSION ONE

INNOVATION

The cybers
running

Dec 7, 2021 | When will supply meet demand?

700K more cybersecurity workers, but still a talent shortage



John P. Mello Jr.
Freelance writer

The **SAME** things were being said in 2010 when we started the CISSP® Mentor Program!

Most organizations are
experts think expanding
help.

For the second year in a row, the global shortage of cybersecurity workers has eased, but it's still not time to celebrate, much less relax.

The decline from 3.12 million to 2.72 million unfilled job openings was reported in October by (ISC)², the world's largest nonprofit association of certified cybersecurity professionals, in its annual [Cybersecurity Workforce Study](#).

However, the study shows that [the cybersecurity workforce gap increased](#) in every region in the world except the Asia-Pacific region. Even at that, Asia-Pacific still had a workforce gap of 1.42 million, the largest of any region in the world.

HELP WANTED



More on Information Security



There's much to learn
**A holistic approach to stu
digital safety**
by Coby Gurr



Fight burnout
**3 reasons why no-code ar
is vital to security teams**
by Eoin Hincky



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For the second year, the Global Cybersecurity Workforce Study

The decision to expand the workforce of cybersecurity professionals, in its annual [Cybersecurity Workforce Study](#).

However, the study shows that [the cybersecurity workforce gap increased](#) in every region in the world except the Asia-Pacific region. Even at that, Asia-Pacific still had a workforce gap of 1.42 million, the largest of any region in the world.

IF this is a problem, and our mission is to fix problems (broken things), then we **MUST** do what we say we do.



Information Security

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 - **The talent we have is struggling.**
 -

What’s broken?





CISSP® MENTOR PROGRAM – SESSION ONE

Trending Innovation Security Business Finance Education Home & Office More

MUST READ: 3G shutdown is underway: Check your devices now for safety's sake

Cybersecurity burnout is real. And it's going to be a problem for all of us

Burnout might be the most critical cybersecurity risk facing organizations in 2022. So, how do we tackle it?

<https://www.zdnet.com/article/cybersecurity-burnout-is-real-and-its-going-to-be-a-problem-for-all-of-us/>



Written by **Owen Hughes**, Senior Editor
on February 25, 2022 | Topic: Security

According to a survey of more than 500 IT decision makers by threat intelligence company ThreatConnect, **50% of private sector businesses already have gaps in basic, technical IT security skills within their company.** What's more, **32% of IT managers and 25% of IT directors are considering quitting their jobs in the next six months** – leaving employers open to a **cacophony** of issues across hiring, management, and IT security.



Forcepoint





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Trending Innovation Security Business Finance Education Home & Office More



MUST READ: 3G shutdown is underway: Check your devices now for safety's sake

Cybersecurity burnout is real. And it's going to be broken?

be
Burnout



KIMBERLY ADAMS AND JESUS
ALVARADO

MAR 24,
2022

SUPPORT MARKETPLACE
TECH

FIND YOUR LOCAL
STATION

ABOUT THIS
SHOW

Cybersecurity professionals face burnout

The White House this week warned about potential Russian cyberattacks. The people responsible for defending against those attacks are already under severe pressure.

▶ LISTEN NOW



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SPOTIFY



GOOGLE



STITCHER



RSS

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8 SEP 2021 NEWS

Stress and Burnout Affecting Majority of Cybersecurity Professionals

Cybersecurity
be

Burnout



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ALV

Cybersecurity

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▶ LISTEN NOW

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James Coker Reporter, Infosecurity Magazine

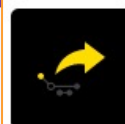
Follow @ReporterCoker



Over half (51%) of cybersecurity professionals are kept up at night by the stress of the job and work challenges, according to **CIISec's** 2020/21 *State of the Profession* report.



The survey of 557 security professionals found that stress and burnout have become a major issue during the COVID-19 pandemic. This is partly due to overwork — the study found almost half (47%) of respondents work 41+ hours a week, with some working up to 90.



Additionally, 80% said that staff across organizations have been more anxious or stressed during the crisis. This is concerning as numerous studies have demonstrated that **people are more vulnerable to being duped by cyber-criminals** while feeling stressed or burnt out.

The study also analyzed other pressures the pandemic has placed upon the security industry. While more than half (53%) of cybersecurity pros said their budgets are rising, this is not enough to keep up with their organizations' threats. More than two-thirds (69%) believe that risks to their organization's data have increased due to staff working from home.

Additionally, 65% said that the pandemic made security reviews, audits, and overseeing processes more difficult. Two-thirds (66%) also agreed that the forced cancellation of education events, including training sessions, has widened the skills gap in the sector.



Related to This Story

Lack of Diversity and Career Burnout Blights Infosec Industry

Cyber House Party 3.0 – The Easter Special: Preview

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Almost like a broken record. Our mission demands action.

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- LOTS, but we’ll stay focused for now.
- With respect to the CISSP® Mentor Program
 - Allegedly, we don’t have enough talent.
 - The talent we have is struggling.
 - **Quality training is expensive.**

What’s broken?





INTRODUCTION

How much does cybersecurity training cost?

The cost of cybersecurity varies by program. Degrees and certificates include tuition, fees, and textbooks expenses that span months or years. An associate degree may cost roughly \$3,000-\$10,000, while a bootcamp usually includes a one-time cost between \$100 and \$1,000.

Certificates range from \$100 to \$2,000.

<https://www.zdnet.com/education/computers-tech/cybersecurity-training-options/>

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Register/View Pricing

Get Instant Pricing and Course Schedules

First and Last Name*

First and Last Name*



The Certifications You Need



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

How much does cybersecurity training cost?

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Certificates range from \$1

Register/View

Certified Information Systems Security Professional (CISSP)



\$1,995.00 (USD)

ENROLL NOW

CONTACT ME

⚙️ CODE GES367

📅 6 MONTHS

🕒 150 COURSE HRS

The Certifications You Need

**and Course
Schedules**

First and Last Name*

First and Last Name*





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

How much does cybersecurity training cost?

Certified Information Systems Security Professional (CISSP)

CISSP TRAINING COURSES DALLAS

Course	Starts	Location	Price
Certified Information Systems Security Professional (CISSP)	4/11/2022	Dallas	\$2,995.00

The Certifications You Need

and Course Schedules

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So, we’ll start a program to offer FREE CISSP® training and sprinkle in as much mentorship as we can muster.



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NOT trial
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Like NO strings
attached FREE.



CISSP® MENTOR PROGRAM – SESSION ONE

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CISSP® MENTOR PROGRAM – SESSION ONE

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Why are we here?

- So, the mission is “**to fix the broken industry**”.
- 2010 was our first CISSP® Mentor Program class!
 - Delivered 100% in person.
 - **FRSecure** had 3 employees.
 - The Program had 6 students.
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- Still growing steadily between 2016 – 2020, then Ryan Cloutier joined the fun too!

In 2021, the CISSP® Mentor Program had grown to almost 6,500 registered students!



FRSecure CISSP Mentor Program Growth



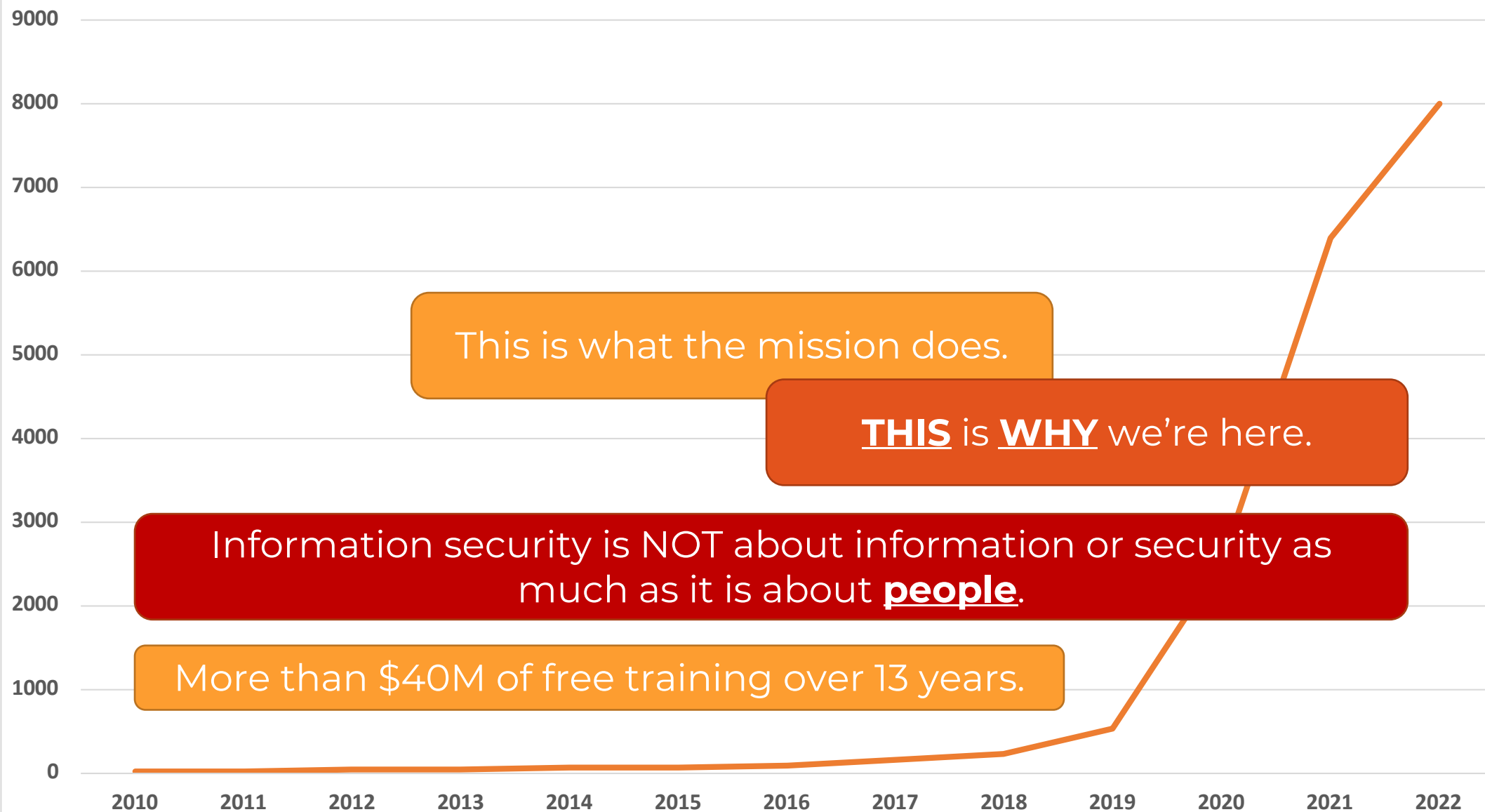


FRSecure CISSP Mentor Program Growth





FRSecure CISSP Mentor Program Growth





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

WHY are YOU here?

-



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

WHY are YOU here?

- There can be many reasons.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

WHY are YOU here?

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YOUR PURPOSE?

Improve on
the job

PASS the
exam!

Learn

Start a new
career

Further
career

Teach
others

Make
friends



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This is our payment!



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INTRODUCTION

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Write it down and finish what you started.

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FACT: We need you.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

About FRSecure



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

About FRSecure



Expert-level, **product agnostic** information security management and consulting firm.

- Established in 2008 but didn't really start until 2010.
- All mission, all the time.
- Information security is about people, and it's a lot of hard work.
- Seven core values, and ten security principles.
- Core services include:
 - vCISO (and related)
 - Information Security Risk Management
 - Incident Response (the best!)
 - Technical Services
 - PCI QSA Services
 - Information Security Training & Awareness
 - Whole bunch of other stuff...





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION About FRSecure



Mission Before Money

Our mission to **fix the broken industry** comes first. The priority has and always will be helping people. Whether it's training, resources, or threat intelligence we will do our best to provide free tools to improve how we protect people's data.



Award-Winning Team

FRSecure takes pride in our team's performance. As a company we consistently win top workplace. We also **win national awards** based on customer satisfaction and our technical team dominates world hacking challenges at DEFCON.



Universal Assessments

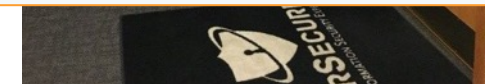
We didn't like how anybody quantified risk so we built our own assessment. Our unique risk assessment methodology is based on NIST, **maps to every major industry standard**, and extends far beyond simple technical controls.



Product Agnostic

We **do not sell any third-party products**, and security is all we do. Our advice will always be made with improving your security program in mind. We will never recommend hardware or software unless it's what's best for your organization.

- Whole bunch of other stuff...





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

About FRSecure

#MissionBeforeMoney



Executive Leadership



Evan Francen
CEO



Kevin Orth
CLO



John Harmon
PRESIDENT



Vanae Pearson
CFO



Renay Rutter
COO



Oscar Minks
CTO



Core Values

- ✓ We tell the truth.
- ✓ We are collaborative.
- ✓ We are supportive and driven to serve.
- ✓ We do whatever it takes.
- ✓ We are committed to constant improvement.
- ✓ We have balance. We work hard and play hard.
- ✓ We all buy in to who we are, what we do, and where we're going.
- ✓ We have perspective.

Our Principles

- ✓ A business is in business to make money.
- ✓ Information security is a business issue.
- ✓ Information security is fun.
- ✓ People are the biggest risk.
- ✓ "Compliant" and "secure" are different.
- ✓ There is no common sense in information security.
- ✓ "Secure" is relative.
- ✓ Information security should drive business.
- ✓ Information security is not "one size fits all."
- ✓ There is no "easy button."



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors

You have the best instructors in the business! (not me, LOL!)



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors

2023 CISSP Training Instructors



Evan Francen
CEO & Founder
FRSecure



Brad Nigh
Principal Security
Consultant
FRSecure



Ryan Cloutier
President
SecurityStudio



Ron Woerner
CEO & President
Cyber-AAA



Chris Foulon
Cyber Risk
Consultant/Coach
CPF Coaching



AJ King
CISO
Hunter Strategy





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors – Brad Nigh

- 20+ years of overall IT experience, started with FRSecure in 2016
- FRSecure's Principal Security Consultant
- CISSP Mentor Program Lead, 8th year leading the program.
- FRSecure Workshop Series Lead
- Co-host of UNSECURITY Podcast with Oscar Minks
- CISM, CISSP, CCSFP, CSSA, CMMC-RP, ITIL v.3 Foundations
- ISC²® Safe and Secure Online volunteer
- Wayzata Schools COMPASS program CyberSecurity Mentor
- Passionate about information security and happy to be here!



Brad Nigh
Principal Security
Consultant
FRSecure

One of my favorite people on the planet. ALWAYS committed to the mission.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors – Brad Nigh

AKA “The Dad Joke King”



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Principal Security
Consultant
FRSecure

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INTRODUCTION

Your instructors – Ryan Cloutier



<https://www.linkedin.com/in/ryan-cloutier/>



@CLOUTIERSEC

- **SecurityStudio**'s President
- Seasoned IT Security professional with over 15 years of experience
- Certified Information Systems Security Professional CISSP®
- Held a variety of IT roles during his career including multiple architect and security roles, cloud security, Dev-Ops/Sec-Ops methodology, policy, process, audit and compliance, network and application security architecture
- Performed expert-level work for several fortune 500 companies in health care, financial, and agriculture sectors
- Heavily immersed in K-12 and SLED for the last 4 years



Ryan Cloutier
President
SecurityStudio



My dear friend and colleague. Truly on mission with me always.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors – Ron Woerner

- **Cyber-AAA's** President and Chief Cybersecurity Consultant
- Senior Consultant at Forrester.
- CISSP and CISM with 25+ years of IT and security experience.
- Noted consultant, speaker and writer in the security industry.
- Established the Cybersecurity Studies program at Bellevue University, an NSA Center of Academic Excellence where he still teaches.
- Keynote speaker on cybersecurity, privacy, online safety, compliance, and human hacking.
- Featured at TEDx, (ISC)2, ISACA, and RSA conferences for 15+ years.
- Written for multiple security publications and websites including IBM SecurityIntelligence, Tripwire, CSO-Online, and The Economist.
- Industry-leading educator, he has created online courses for LinkedIn Learning and Cybrary



<https://www.linkedin.com/in/ronwoerner/>



@RonW123



Ron Woerner
CEO & President
Cyber-AAA



This is a guy that I would trust with my own information security program!



FRSECURE



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CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors – Chris Foulon

<https://www.linkedin.com/in/christophefoulon/>

@chris_foulon

- vCISO | Strategic CISO | Digital Transformations Focused on Cybersecurity & Risk Mitigation | Strategic Business Development | Cyber Security Speaker | Chief Information Security Officer | CISSP GSLC CRISC AWS Security
- Key achievements include:
 - Eliminating an exposure attack for a Fortune 10 Fintech Company.
 - Spearheading digital transformation and cloud migration for a federal agency.
 - Facilitating the growth of a multi-million-dollar project with a 50% increase in Site Reliability Engineers.
- Career Coach and Cyber Risk Consultant for 15+ years.
- Volunteer with InfraGard, the Security Tinkerers group, the Information Security Leadership Foundation, the Cyber Future Foundation, and co-host for the Breaking into Cybersecurity Podcast.



Chris Foulon
**Cyber Risk
Consultant/Coach**
CPF Coaching



An ABSOLUTELY incredible mission-driven information security expert!



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors – Andrew (AJ) King

<https://www.linkedin.com/in/christophefoulon/>

@chris_foulon

- CISO | Chief Information Security Officer | Incident Commander | Cyber Security SME | Global IT Executive | Executes strategies to strengthen security, build high-performing teams, and mitigate risk.
- Current Chief Information Security Officer (CISO) at Hunter Strategy.
- 10+ years information security leadership experience in organizations across industries.
- CISM, SANS GIAC (Security Strategic Policy, Planning, and Leadership), Certified ScrumMaster, etc.
- Lots of interesting stories and a long track record of building successful information security programs and service practices.
- Serves on industry boards and as a volunteer in numerous organizations.



AJ King
CISO
Hunter Strategy



A GREAT common-sense resource with credibility.



INTRODUCTION

Your instructors – Andrew (AJ) King

- CISO | Chief Information Security Officer | Incident Commander | Cyber

S

This is the 2nd year we are including instructors outside of FRSecure and SecurityStudio and we couldn't be happier.

I am honored to work with these guys!

It won't be long before we'll be expanding to include more (so, if you have someone in mind...)

- Serves on industry boards and as a volunteer in numerous organizations.



AJ King

CISO

Hunter Strategy



A GREAT common-sense resource with credibility.





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

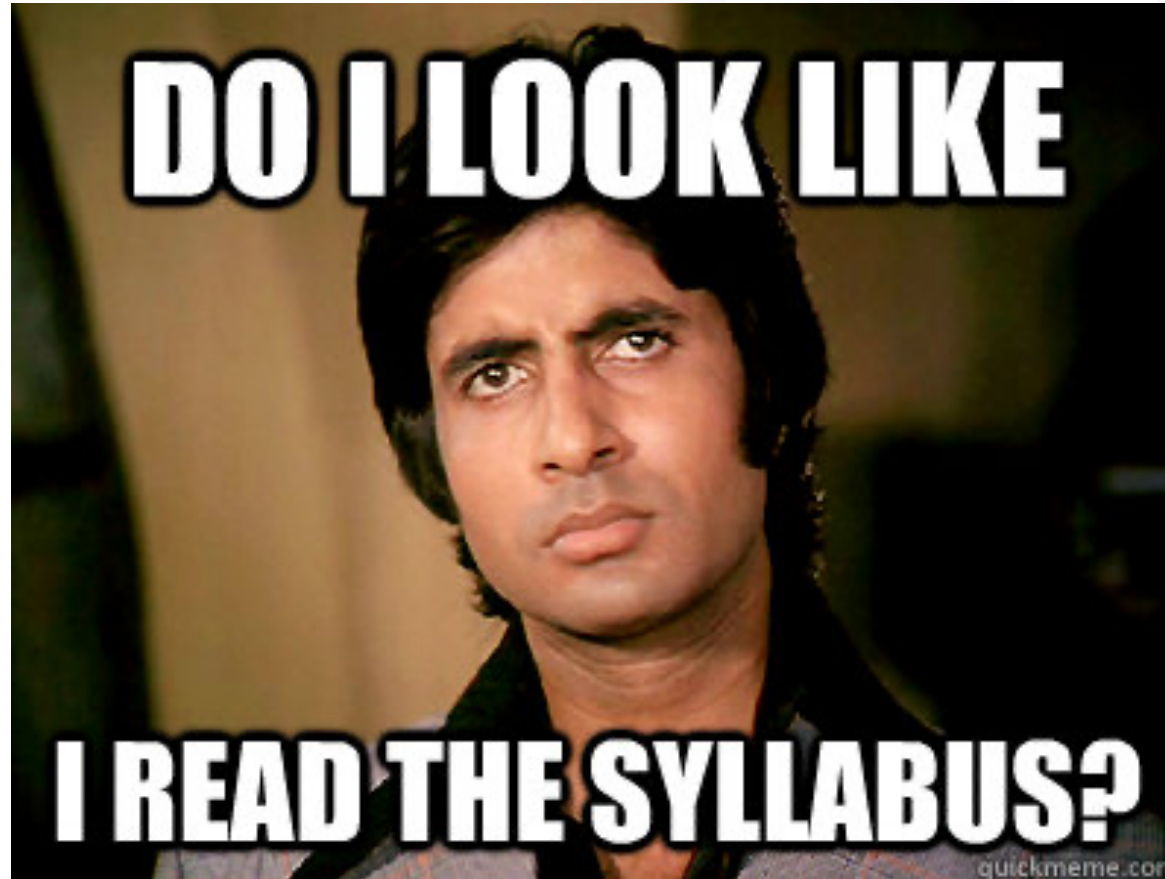
What is the CISSP Mentor Program?



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

- The program starts tonight (4/10) and runs through May 31st.
- Each class is taught LIVE from 6pm – 8pm CDT (UTC -05:00).
- LIVE sessions will be taught as a live stream on YouTube.
- **Links to the live stream are in your northpass learning portal and at the top of the Discord server.**
- Each class will be recorded and posted to YouTube within 24 hours of the live class.
- The instructor's slide deck will also be made available to you and should serve as great study material.
- The 2023 FRSecure CISSP Mentor Program Discord Server has been setup as a study group. Please contact cisspmentor@frsecure.com if you do not have access.

CISSP® MENTOR PROGRAM – SESSION ONE

The screenshot shows the FRSecure website interface. On the left is a 'Table of Contents' with a list of sessions. The main area displays 'Session One Lecture' with a video player titled 'Session 1: 2023 FRSecure CISSP Mentor Program — Course Introduction...'. The video player has a large 'CISSP MENTOR PROGRAM 2023' logo and a 'Watch on YouTube' button. A green arrow points from the text 'Each class will be recorded and live class.' to the video player.

Each class will be recorded and live class.

- The instructor's slide deck will also serve as great study material.
- The 2023 FRSecure CISSP Mentor Program will serve as a study group. Please contact the instructor for access.

Program?

runs through May 31st.
8pm CDT (UTC -05:00).

The screenshot shows a Discord server interface. The server name is '2023 FRSecure CISSP M...'. The channel list on the left includes '# general', '# welcome-and-rules', '# notes-resources', '# random', '# questions', '# course-materials', '# endorsement-requests', '# networking', '# general', '# updates', and '# instructors-and-mods...'. A green arrow points to the '13 Events' button in the top left corner of the channel list.



CISSP® MENTOR PROGRAM – SESSION ONE

FRSECURE

← Back to My Courses

Table of Contents

List of activities in this course

SESSION 1 - COURSE INTRODUCTION

SESSION 2 - DOMAIN 1: SECURITY AND RISK MANAGEMENT

SESSION 3 - DOMAIN 2 & 3: ASSET SECURITY/SECURITY ARCHITECTURE

SESSION 4 - DOMAIN 3: SECURITY ARCHITECTURE AND ENGINEERING

SESSION 5 - DOMAIN 3: SECURITY ARCHITECTURE AND ENGINEERING

SESSION 6 - DOMAIN 4: COMMUNICATION AND NETWORK SECURITY

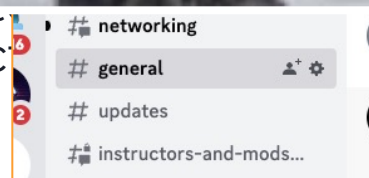
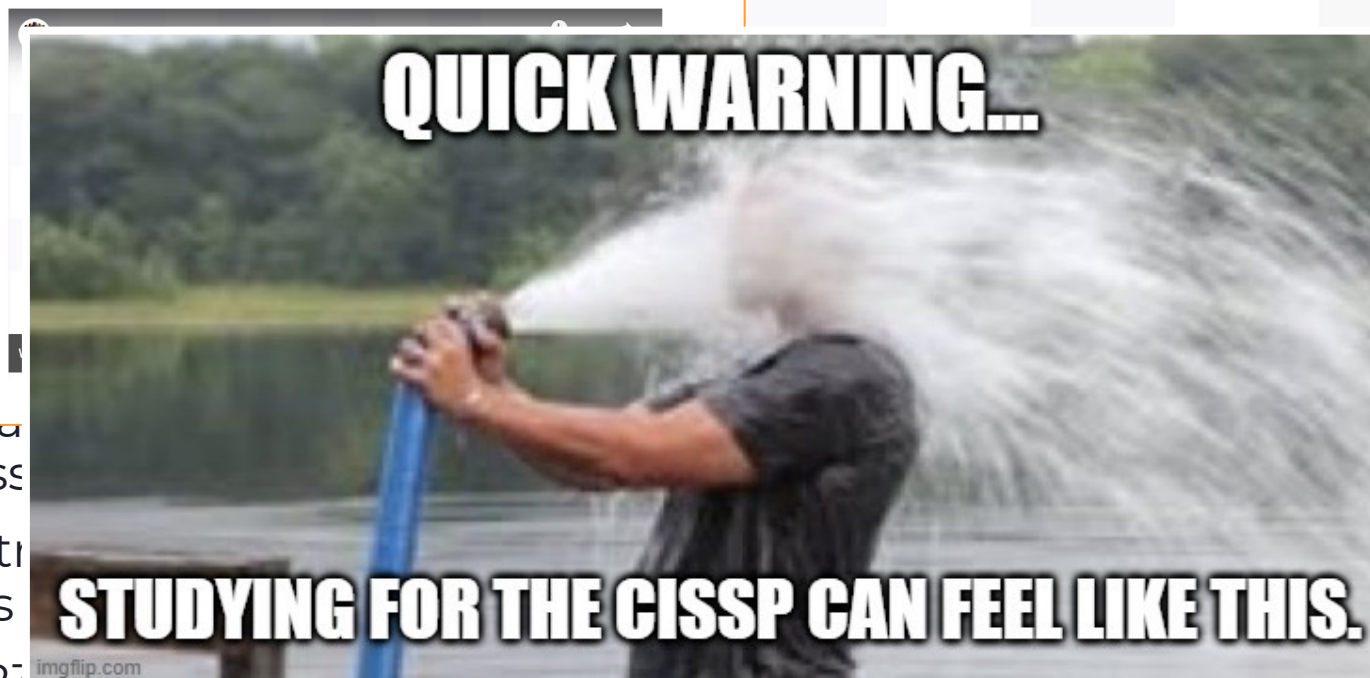
SESSION 7 - DOMAIN 4: COMMUNICATION AND NETWORK SECURITY

SESSION 8 - DOMAIN 5: IDENTITY AND...

Session One Lecture

- Each class is a live class.
- The instructors will serve as mentors.
 - The 2023 FRSecure CISSP mentor program will serve as a study group. Please contact your mentor to have access.

Program?





CISSP® MENTOR PROGRAM – SESSION ONE

FRSECURE

← Back to My Courses

Table of Contents

List of activities in this course

SESSION 1 - COURSE INTRODUCTION

SESSION 2 - DOMAIN 1: SECURITY AND RISK MANAGEMENT

SESSION 3 - DOMAIN 2 & 3: ASSET SECURITY/SECURITY ARCHITECTURE

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SESSION 6 - DOMAIN 4: COMMUNICATION AND NETWORK SECURITY

SESSION 7 - DOMAIN 4: COMMUNICATION AND NETWORK SECURITY

SESSION 8 - DOMAIN 5: IDENTITY AND...

Session One Lecture

Each class is a live class

- The instructor will serve as a mentor.
- The 2023 FRSecure CISSP® as a study group. Please have access.

Program?





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

CLASS SCHEDULE.

2023 CISSP® Mentor Program Class Instructor Schedule			
Class Number	Date	Topic	Instructor
1	4/10/23	Introduction	Evan
2	4/12/23	Domain 1: Security & Risk Management	Brad
3	4/17/23	Domains 2 & 3: Asset Security & Security Architecture	Ryan
4	4/19/23	Domain 3: Security Architecture & Engineering	Ron
BREAK			
5	4/26/23	Domain 3: Security Architecture & Engineering	Chris
6	5/1/23	Domain 4: Communication & Network Security	AJ
7	5/3/23	Domain 4: Communication & Network Security	Brad
8	5/8/23	Domain 5: Identity & Access Management	Ryan
BREAK			
9	5/15/23	Domain 6: Security Assessment and Testing	Ron
10	5/17/23	Domain 7: Security Operations	Chris
11	5/22/23	Domain 7 & 8: Security Operations & Software Development Security	AJ
12	5/24/23	Review & Exam Prep	ALL
BREAK			
FINAL	5/31/23	Final Exam Prep	ALL



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

CLASS SCHEDULE.

- Every class is structured similarly, starting with a brief recap of the previous content/session, then:
 - Questions.
 - Quiz.
 - Current Events.
 - Lecture.
 - Homework (you'll appreciate the breaks...)

FRSecure 2023 CISSP Mentor Program Discord Server

- This is yours. Please use it, and DON'T abuse it.
- We will be in and out of the study group to help when we can.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

CLASS SCHEDULE.

- We are here to help!
- If you have any questions, at any time, please send them to cisspmentor@frsecure.com.
- Please do not email any of us directly (mostly because we're slow).
- Content will be made available to all students, including (these) slides and handouts (if there are any).
- Video recordings are available immediately after class on the FRSecure YouTube channel.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

WHAT IS A CISSP®?

guides/ ?



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

WHAT IS A CISSP®?

Get your Ultimate Guide to the CISSP @
<https://www.isc2.org/Certifications/Ultimate-Guides/CISSP?>



THE ULTIMATE
GUIDE TO THE **CISSP**

How to achieve the world's premier cybersecurity certification



Even the brightest minds benefit from guidance on the journey to success.

The Ultimate Guide to the CISSP covers everything to know about the world's premier cybersecurity certification. See how the CISSP – and (ISC)² – can help you discover your certification path, create your plan and thrive throughout your career.

Get Your Guide



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

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ISC² has a tons of
free (and mostly
good) content.



**THE ULTIMATE
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Get Your Guide

First Name

Last Name

Email Address

Phone Number

Company

Country/Region

▼



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

WHAT

WHY

<http://>

Inside...

- » Is CISSP right for me?
- » CISPPs around the globe
- » CISSP fast facts
- » Benefits of CISSP certification
- » Benefits of (ISC)² membership
- » Exam overview
- » Official training
- » Pathway to certification
- » CPE opportunities
- » Continuing professional development
- » Certification is just the beginning



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

DON'T let this intimidate or dissuade you!

Experience

To qualify for the CISSP, candidates must pass the exam and have at least five years of cumulative, paid work experience in two or more of the eight domains of the (ISC)² CISSP Common Body of Knowledge (CBK[®]).

A candidate who doesn't yet have the required experience to become a CISSP may become an Associate of (ISC)² after successfully passing the CISSP exam. The Associate of (ISC)² will then have six years to earn the experience needed for CISSP certification.

YEARS

Discover Your Path



See "Pathway to CISSP Certification" for more information.

Five years (cumulative) experience in two (or more) domains.





CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

WHAT IS A CISSP®? - Ultimate Guide to the CISSP @
<https://www.isc2.org/Certifications/Ultimate-Guides/CISSP?>

Fast Facts About CISSP



Introduced in 1994

Most Required Security
Certification on LinkedIn



First information security
credential to meet the
strict conditions of ISO/IEC
Standard 17024



DoD Approved

Exam available
in 8 languages at
882 locations in
114 countries



CISSPs work in more than
160 countries globally



93% of CISSPs
are lifers

Average CISSP
Salary: US \$131,030



More than 129,000
professionals currently hold
the CISSP certification

Computerized Adaptive
Testing (CAT) introduced
December 18, 2017





CISSP® MENTOR PROGRAM – SESSION ONE

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More than 129,000
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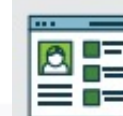
Average CISSP
Salary: US \$131,030



Computerized Adaptive
Testing (CAT) introduced
December 18, 2017



Average CISSP
Salary: U.S. \$140,230



More than 156,000
professionals currently
hold the CISSP
certification



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Me

Benefits of Being CISSP-Certified

Career advancement
Raise visibility and credibility,
improve job security and
create new opportunities.



Versatile skills
Vendor-neutral so skills
can be applied to
different technologies and
methodologies.

Respect

Differentiate yourself to
employers, clients and peers.



Solid foundation
Be better prepared to stem
cyber attacks and inspire
a safe and secure cyber
world.

Community of professionals
Gain access to (and respect from)
a global community of like-
minded cybersecurity leaders.



Higher salaries
On average, (ISC)² members
report earning 35% more
than non-members.

Expanded knowledge

Reach a deeper, better and
broader understanding of the
common body of knowledge



Benefits of (ISC)² Membership

When you earn your CISSP, you become an (ISC)² member
part of a professional community that never stops
learning and growing. You also gain access to a full suite
of benefits and resources for continuing education and
development:

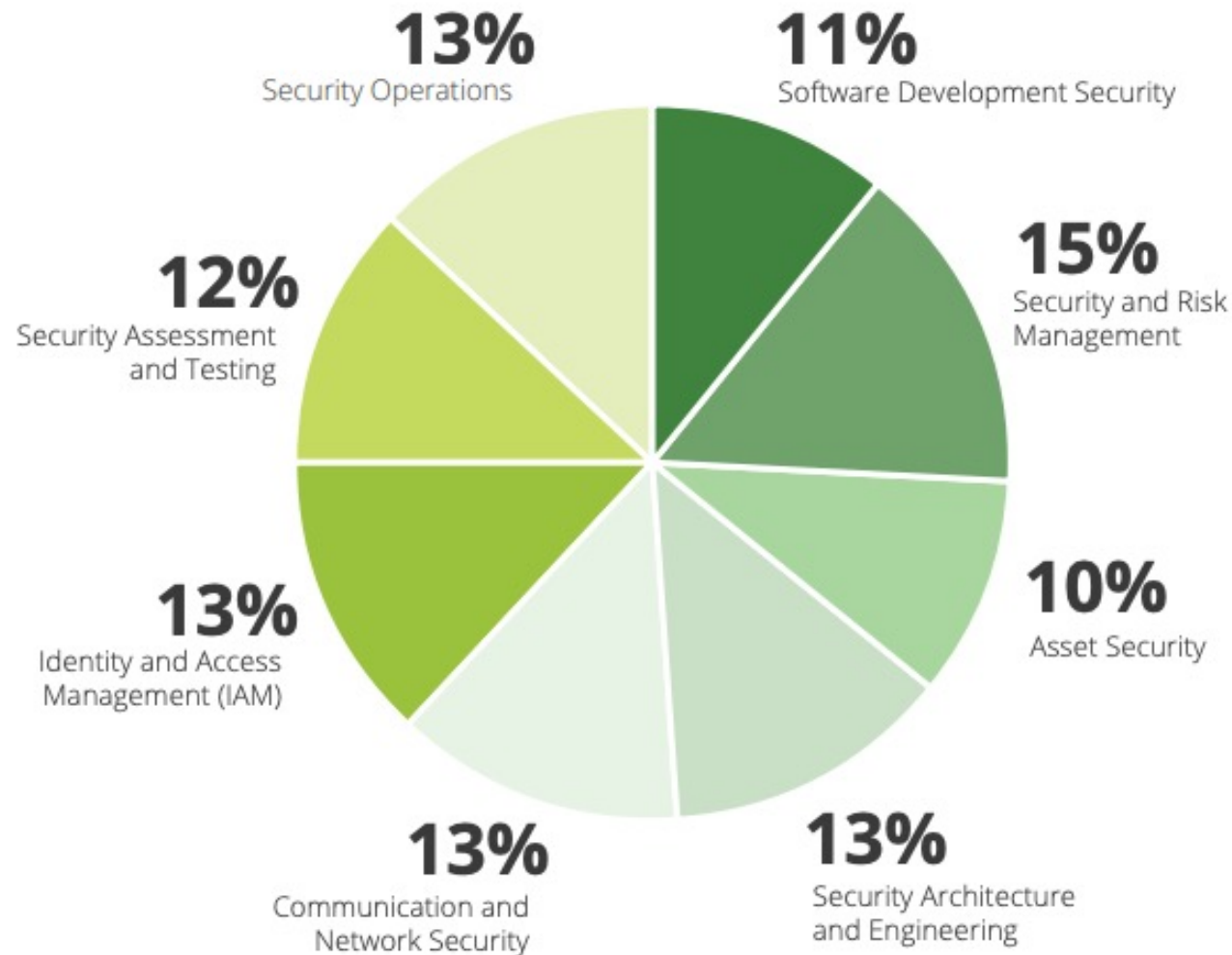
- Free subscription to InfoSecurity Professional Magazine
- Member pricing for (ISC)² events
- 6% off official (ISC)² textbooks
- Deep discounts on industry conferences
- Expert-led webinars on the latest security issues
- The ability to join or start a local (ISC)² Chapter
- Comprehensive online professional development courses
- Volunteer opportunities
- Free and Secure Online program
- Professional recognition through (ISC)² Awards Programs
- Digital badges to promote expertise
- (ISC)² Member Perks





Exam overview

The CISSP exam evaluates expertise across eight security domains. (Think of domains as topics you need to master based on your professional experience and education.) Passing the exam proves you have the advanced knowledge and technical skills to effectively design, implement and manage a best-in-class cybersecurity program.



CISSP")



100 - 150

Number of items on the English CISSP CAT
(Computer Adaptive Testing) exam

The non-English linear, fixed-form CISSP exam has 250 items

3

hrs.

Maximum amount of time for
the CISSP CAT exam

The non-English linear, fixed-form CISSP
exam allows 6 hours to complete

700

Score you need out of 1,000
to pass the exam

CISSP CAT

As of December 18, 2017, all English CISSP exams worldwide use CAT. Non-English CISSP exams are administered as a linear, fixed-form exam.

[Learn more about CAT](#)

Exam availability: English, French, German, Brazilian Portuguese, Spanish Modern, Japanese, Simplified Chinese, Korean

Testing Centers: (ISC)² Authorized PPC and PVT Select Pearson VUE Testing Centers

**Effective June 1, 2022, the CISSP exam in the [Computerized Adaptive Testing \(CAT\)](#) format will contain 50 pretest (unscored) items, which will increase the number of items a candidate will need to respond to from 100-150 to 125-175. The maximum exam administration time will increase from three to four hours. The domains and their weights will not change. Please refer to the [CISSP Exam Outline](#) and/or www.isc2.org/notice/CISSP-Exam-Length.*





100-150

Number of items on the English CISSP CAT (Computer Adaptive Testing) exam

The non-English linear, fixed-form CISSP exam has 250 items

3

Maximum amount of time for the CISSP CAT exam

The non-English linear, fixed-form exam allows 2 hours

hrs.

700

Score you need out of 1,000 to pass the exam

CISSP CAT

As of December 18, 2017, all English CISSP exams worldwide use CAT. Non-English CISSP exams are administered as a linear, fixed-form exam.

125-175

Number of items on the English CISSP CAT (Computer Adaptive Testing) exam

4

Maximum amount of time for the CISSP CAT exam

700

Score you need out of 1,000 to pass the exam

View the CISSP [exam outline](#).

CISSP CAT

All English CISSP exams worldwide use CAT. Non-English CISSP exams are administered as a linear, fixed-form exam. [Learn more.](#)

Exam availability:

English, Chinese, German, Korean, Japanese, Spanish

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*Effective June 1, 2022, the CISSP exam in the [Computerized Adaptive Testing \(CAT\)](#) format will contain 50 pretest (unscored) items, which will increase the number of items a candidate will need to respond to from 100-150 to 125-175. The maximum exam administration time will increase from three to four hours. The domains and their weights will not change. Please refer to the [CISSP Exam Outline](#) and/or www.isc2.org/notice/CISSP-Exam-Length.



CISSP® MENTOR PROGRAM – SESSION ONE

Official CISSP Training

With self-paced or instructor-led online and classroom courses, (ISC)² has a training option to fit different schedules and learning styles. Trainings, seminars, courseware and self-study aids directly from (ISC)² or one of our many Official Training Partners help you get ready for the CISSP exam by reviewing relevant domains and topics.



Classroom-based



Online Instructor-Led



Private On-site



Online Self-Paced



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

WHAT IS A CISSP®? - Ultimate Guide to the CISSP @

<https://www.isc2.org/cissp>

1

Study for the Exam

Many [self-study resources](#) are available from (ISC)² – the creator and keeper of the CISSP CBK – to help you prepare with confidence. Some CISSP candidates pass the exam with self-study, and many choose to attend an [Official \(ISC\)² Training](#) seminar to review and refresh knowledge before sitting for the exam.

2

Pass the Exam

Candidates are given a maximum of three hours to complete the 100 – 150-item English CISSP CAT exam, or six hours to complete the 250-item non-English CISSP linear exam. If you're ready now, schedule your exam by creating an account with [Pearson VUE](#), the leading provider of global, computer-based testing for certification and licensure exams.

3

Get Endorsed

After you pass the exam, you will have nine months from the date of the exam to complete the [\(ISC\)² endorsement process](#).

Earn CPEs

4

Once you are certified, you become a member of (ISC)² and recertify every three years. Recertification is accomplished by earning continuing professional education (CPE) credits and paying an Annual Maintenance Fee (AMF) to support ongoing development.

120 CPEs

U.S. \$125 AMF

3 years

Members with multiple (ISC)² certifications only pay a single AMF.



CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

What is the CISSP Mentor Program?

CERTIFICATION EXAM OUTLINE

<https://www.isc2.org/-/media/ISC2/Certifications/Exam-Outlines/CISSP-Exam-Outline-English-April-2021.ashx>



Certified Information
Systems Security Professional

An (ISC)² Certification

Certification **Exam Outline**

Effective Date: May 1, 2021



Experience Requirements

Candidates must have a minimum of five years cumulative paid work experience in two or more of the eight domains of the CISSP CBK. Earning a four year college degree or regional equivalent or an additional credential from the (ISC)² approved list will satisfy one year of the required experience. Education credit will only satisfy one year of experience.

A candidate that doesn't have the required experience to become a CISSP may become an Associate of (ISC)² by successfully passing the CISSP examination. The Associate of (ISC)² will then have six years to earn the five years required experience. You can learn more about CISSP experience requirements and how to account for part-time work and internships at www.isc2.org/Certifications/CISSP/experience-requirements.

Certification **Exam Outline**

Effective Date: May 1, 2021



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CAT Examination Information

The CISSP exam uses Computerized Adaptive Testing (CAT) for all English exams. CISSP exams in all other languages are administered as linear, fixed-form exams. You can learn more about CISSP CAT at www.isc2.org/certifications/CISSP-CAT.

Length of exam	4 hours
Number of items	125 - 175
Item format	Multiple choice and advanced innovative items
Passing grade	700 out of 1000 points
Exam language availability	English
Testing center	(ISC)² Authorized PPC and PVTC Select Pearson VUE Testing Centers



CISSP CAT Examination Weights

Domains	Average Weight
1. Security and Risk Management	15%
2. Asset Security	10%
3. Security Architecture and Engineering	13%
4. Communication and Network Security	13%
5. Identity and Access Management (IAM)	13%
6. Security Assessment and Testing	12%
7. Security Operations	13%
8. Software Development Security	11%
Total: 100%	



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 1: Security and Risk Management

1.1 Understand, adhere to, and promote professional ethics

- » (ISC)² Code of Professional Ethics
- » Organizational code of ethics

1.2 Understand and apply security concepts

- » Confidentiality, integrity, and availability, authenticity and nonrepudiation

1.3 Evaluate and apply security governance principles

- » Alignment of the security function to business strategy, goals, mission, and objectives
- » Organizational processes (e.g., acquisitions, divestitures, governance committees)
- » Organizational roles and responsibilities
- » Security control frameworks
- » Due care/due diligence

1.4 Determine compliance and other requirements

- » Contractual, legal, industry standards, and regulatory requirements
- » Privacy requirements

Class 2: April 12th
Instructor: Brad



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE

Class 3: April 17th
Instructor: Ryan



Domain 2: Asset Security

2.1 Identify and classify information and assets

- » Data classification
- » Asset Classification

2.2 Establish information and asset handling requirements

2.3 Provision resources securely

- » Information and asset ownership
- » Asset inventory (e.g., tangible, intangible)
- » Asset management

2.4 Manage data lifecycle

- | | |
|--|--------------------|
| » Data roles (i.e., owners, controllers, custodians, processors, users/subjects) | » Data maintenance |
| » Data collection | » Data retention |
| » Data location | » Data remanence |
| | » Data destruction |

2.5 Ensure appropriate asset retention (e.g., End-of-Life (EOL), End-of-Support (EOS))

2.6 Determine data security controls and compliance requirements



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 3: Security Architecture and Engineering

Class 3: April 17th
Instructor: Ryan

3.1 Research, implement and manage engineering processes using secure design principles

- » Threat modeling
- » Least privilege
- » Defense in depth
- » Secure defaults
- » Fail securely
- » Separation of Duties (SoD)
- » Keep it simple
- » Zero Trust
- » Privacy by design
- » Trust but verify
- » Shared responsibility

3.2 Understand the fundamental concepts of security models (e.g., Biba, Star Model, Bell-LaPadula)

3.3 Select controls based upon systems security requirements

3.4 Understand security capabilities of Information Systems (IS) (e.g., memory protection, Trusted Platform Module (TPM), encryption/decryption)

3.5 Assess and mitigate the vulnerabilities of security architectures, designs, and solution elements



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 3: Security Architecture and Engineering

3.1 Research, implement and manage engineering processes using secure design principles

- » Threat modeling
- » Least privilege
- » Defense in depth
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- » Fail securely
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Class 3: April 17th
Instructor: Ryan

Class 4: April 19th
Instructor: Ron



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 3: Security Architecture and Engineering

3.1 Research, implement and manage engineering processes using secure design principles

- » Threat modeling
- » Least privilege
- » Defense in depth
- » Secure defaults
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3.5 Assess and mitigate the vulnerabilities of security architectures, designs, and solution elements

Class 3: April 17th
Instructor: Ryan

Class 4: April 19th
Instructor: Ron

April 24th - BREAK



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 3: Security Architecture and Engineering

3.1 Research, implement and manage engineering processes using secure design principles

- » Threat modeling
- » Least privilege
- » Defense in depth
- » Secure defaults
- » Fail securely
- » Separation of Duties (SoD)
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- » Privacy by design
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- » Shared responsibility

3.2 Understand the fundamental concepts of security models (e.g., Biba, Star Model, Bell-LaPadula)

3.3 Select controls based upon systems security requirements

3.4 Understand security capabilities of Information Systems (IS) (e.g., memory protection, Trusted Platform Module (TPM), encryption/decryption)

3.5 Assess and mitigate the vulnerabilities of security architectures, designs, and solution elements

Class 3: April 17th
Instructor: Ryan

Class 4: April 19th
Instructor: Ron

April 24th - BREAK

Class 5: April 26th
Instructor: Chris



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 4: Communication and Network Security

Class 6: May 1st
Instructor: AJ

4.1 Assess and implement secure design principles in network architectures

- » Open System Interconnection (OSI) and Transmission Control Protocol/Internet Protocol (TCP/IP) models
- » Internet Protocol (IP) networking (e.g., Internet Protocol Security (IPSec), Internet Protocol (IP) v4/6)
- » Secure protocols
- » Implications of multilayer protocols
- » Converged protocols (e.g., Fiber Channel Over Ethernet (FCoE), Internet Small Computer Systems Interface (iSCSI), Voice over Internet Protocol (VoIP))
- » Micro-segmentation (e.g., Software Defined Networks (SDN), Virtual eXtensible Local Area Network (VXLAN), Encapsulation, Software-Defined Wide Area Network (SD-WAN))
- » Wireless networks (e.g., Li-Fi, Wi-Fi, Zigbee, satellite)
- » Cellular networks (e.g., 4G, 5G)
- » Content Distribution Networks (CDN)

4.2 Secure network components

- » Operation of hardware (e.g., redundant power, warranty, support)
- » Transmission media
- » Network Access Control (NAC) devices
- » Endpoint security



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE



Domain 4: Communication and Network Security

4.1 Assess and implement secure design principles in network architectures

- » Open System Interconnection (OSI) and Transmission Control Protocol/Internet Protocol (TCP/IP) models
- » Internet Protocol (IP) networking (e.g., Internet Protocol Security (IPSec), Internet Protocol (IP) v4/6)
- » Secure protocols
- » Implications of multilayer protocols
- » Converged protocols (e.g., Fiber Channel Over Ethernet (FCoE), Internet Small Computer Systems Interface (iSCSI), Voice over Internet Protocol (VoIP))
- » Micro-segmentation (e.g., Software Defined Networks (SDN), Virtual eXtensible Local Area Network (VXLAN Encapsulation, Software-Defined Wide Area Network (SD-WAN))
- » Wireless networks (e.g., Li-Fi, Wi-Fi, Zigbee, satellite)
- » Cellular networks (e.g., 4G, 5G)
- » Content Distribution Networks (CDN)

4.2 Secure network components

- » Operation of hardware (e.g., redundant power, warranty, support)
- » Transmission media
- » Network Access Control (NAC) devices
- » Endpoint security

Class 6: May 1st
Instructor: AJ

Class 7: May 3rd
Instructor: Brad



CISSP® MENTOR PROGRAM – SESSION ONE

CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE

Class 8: May 8th
Instructor: Ryan



Domain 5: Identity and Access Management (IAM)

5.1 Control physical and logical access to assets

- » Information
- » Systems
- » Devices
- » Facilities
- » Applications

5.2 Manage identification and authentication of people, devices, and services

- » Identity Management (IdM) implementation
- » Single/Multi-Factor Authentication (MFA)
- » Accountability
- » Session management
- » Registration, proofing, and establishment of identity
- » Federated Identity Management (FIM)
- » Credential management systems
- » Single Sign On (SSO)
- » Just-In-Time (JIT)

5.3 Federated identity with a third-party service

- » On-premise
- » Cloud
- » Hybrid



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CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE

May 10th - BREAK



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Domain 6: Security Assessment and Testing

6.1 Design and validate assessment, test, and audit strategies

- » Internal
- » External
- » Third-party

6.2 Conduct security control testing

- » Vulnerability assessment
- » Penetration testing
- » Log reviews
- » Synthetic transactions
- » Code review and testing
- » Misuse case testing
- » Test coverage analysis
- » Interface testing
- » Breach attack simulations
- » Compliance checks

6.3 Collect security process data (e.g., technical and administrative)

- » Account management
- » Management review and approval
- » Key performance and risk indicators
- » Backup verification data
- » Training and awareness
- » Disaster Recovery (DR) and Business Continuity (BC)

Class 9: May 15th
Instructor: Ron



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CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE

Class 10: May 17th
Instructor: Chris

Class 11: May 22nd
Instructor: AJ



Domain 7: Security Operations

7.1 Understand and comply with investigations

- » Evidence collection and handling
- » Reporting and documentation
- » Investigative techniques
- » Digital forensics tools, tactics, and procedures
- » Artifacts (e.g., computer, network, mobile device)

7.2 Conduct logging and monitoring activities

- » Intrusion detection and prevention
- » Security Information and Event Management (SIEM)
- » Continuous monitoring
- » Egress monitoring
- » Log management
- » Threat intelligence (e.g., threat feeds, threat hunting)
- » User and Entity Behavior Analytics (UEBA)

7.3 Perform Configuration Management (CM) (e.g., provisioning, baselining, automation)

7.4 Apply foundational security operations concepts

- » Need-to-know/least privilege
- » Separation of Duties (SoD) and responsibilities
- » Privileged account management
- » Job rotation
- » Service Level Agreements (SLAs)



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Domain 8: Software Development Security

Class 11: May 22nd
Instructor: AJ

8.1 Understand and integrate security in the Software Development Life Cycle (SDLC)

- » Development methodologies (e.g., Agile, Waterfall, DevOps, DevSecOps)
- » Maturity models (e.g., Capability Maturity Model (CMM), Software Assurance Maturity Model (SAMM))
- » Operation and maintenance
- » Change management
- » Integrated Product Team (IPT)

8.2 Identify and apply security controls in software development ecosystems

- | | |
|--|--|
| » Programming languages | » Security Orchestration, Automation, and Response (SOAR) |
| » Libraries | » Software Configuration Management (SCM) |
| » Tool sets | » Code repositories |
| » Integrated Development Environment (IDE) | » Application security testing (e.g., Static Application Security Testing (SAST), Dynamic Application Security Testing (DAST)) |
| » Runtime | |
| » Continuous Integration and Continuous Delivery (CI/CD) | |



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CISSP CERTIFICATION EXAM OUTLINE & CLASS SCHEDULE

Review & Exam Preparation

Class 12: May 24th
Instructor: ALL

May 29th - BREAK

Final Exam Preparation

Class 13: May 31st
Instructor: ALL



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Once again, for reference.

INTRODUCTION

What is the CISSP Mentor Program?

CLASS SCHEDULE.

2023 CISSP® Mentor Program Class Instructor Schedule			
Class Number	Date	Topic	Instructor
1	4/10/23	Introduction	Evan
2	4/12/23	Domain 1: Security & Risk Management	Brad
3	4/17/23	Domains 2 & 3: Asset Security & Security Architecture	Ryan
4	4/19/23	Domain 3: Security Architecture & Engineering	Ron
BREAK			
5	4/26/23	Domain 3: Security Architecture & Engineering	Chris
6	5/1/23	Domain 4: Communication & Network Security	AJ
7	5/3/23	Domain 4: Communication & Network Security	Brad
8	5/8/23	Domain 5: Identity & Access Management	Ryan
BREAK			
9	5/15/23	Domain 6: Security Assessment and Testing	Ron
10	5/17/23	Domain 7: Security Operations	Chris
11	5/22/23	Domain 7 & 8: Security Operations & Software Development Security	AJ
12	5/24/23	Review & Exam Prep	ALL
BREAK			
FINAL	5/31/23	Final Exam Prep	ALL



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THE BOOK

Title: The Official (ISC)2 CISSP CBK Reference, 6th Edition.

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About the authors

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Arthur J. Deane

Arthur J. Deane, CISSP, CCSP is a Cybersecurity Executive at Capital One. Prior to joining Capital One, he held information security positions at Google and Amazon, where he led security Programs in both companies' Cloud divisions. In addition to his

[See more on the author's page >](#)[Follow](#)

Aaron Kraus

Aaron Kraus, CISSP, CCSP is a cybersecurity practitioner with over 15 years of experience across diverse industries and countries, and has been both author and technical editor for numerous CISSP and CCSP publications. He is an instructor, course author, and

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READY?! LET'S DIG IN.



BTW. Dogs are cool.



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THAT'S IT. NEXT?

That's it for today...

- We're very excited that we get to be a part of your information security career journey!
- This will be a rewarding experience.

For most of you:

- **This will get hard.**
- **This will seem dry.**
- **This will seem overwhelming.**

**GIVE
UP
NEVER**

Don't give up!