FRSecure CISSP Mentor Program

2023

Class #1 - Introduction

Evan Francen – FRSecure and SecurityStudio Co-Founder & CEO
INTRODUCTION

Welcome!

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

Welcome!

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

So…
Welcome!

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

So...

Disclaimer: This is a registered trademark of the International Information System Security Certification Consortium, Inc. ("ISC²") The CISSP® certification and examination are maintained and administered by ISC2 and any/all fees related to certification are due them (NOT FRSecure).
INTRODUCTION

Evan Francen

Professionally, I do a lot of information security stuff.

• CEO and Co-founder of FRSecure and SecurityStudio
• Co-inventor of SecurityStudio (or S²), the platform for managing information security risk.
• Co-inventor of S² Org, S² Vendor, S² Team, and S² Me.
• Co-inventor of S² Score, a quantitative measurement of information security and vendor risk used by 5,500+ organizations.
• Created the (new) Certified virtual Chief Information Security Officer (CvCISO) Program.
• Created the Tangible Experience and Apprenticeship for Cybersecurity in HigherEd (TEACH).
• Created the Programmatic Distributed Empowerment for Information Security (PDEIS) model.
• Co-host some shows; UNSECURITY Podcast and the Security Sh!t Show.

• Tell the truth (always), simplify (everything), and serve (everyone).
Evan Francen

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).
INTRODUCTION

Evan Francen

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
INTRODUCTION

Evan Francen

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.

Oh, I wrote a book too, but whatevs.

“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
INTRODUCTION

Evan Francen

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) 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

#MissionBeforeMoney

In action!
INTRODUCTION

Evan Francen

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.

https://www.linkedin.com/in/evanfrancen/
@evanfrancen
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)
INTRODUCTION

Tonight's Agenda

Yes, I have one!
CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?!

•

•

•

•

•
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓

• Your instructors. (they’re pretty great)

• What is the CISSP Mentor Program?

• More about MISSION

• How to get the MOST out of this!

---

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
INTRODUCTION
Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
  •
  •
  •
  •
  •
Did I say “welcome” yet?!  
Why are we here?  
Your instructors. (they're pretty great)

What is the CISSP® Mentor Program?

More about MISSION

How to get the MOST out of this!

INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?!  
• Why are we here?

The purpose behind the CISSP® Mentor Program and how we've come to this point.
CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• **Why** are we here?
• **WHY** are **YOU** here?
•
•
•
•
INTRODUCTION
Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• 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.
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?!  ✓
• **Why** are we here?
• **WHY** are **YOU** here?
• About FRSecure.
• Did I say “welcome” yet?! ✓
• **Why** are **we** here?
• **WHY** are **YOU** here?
• About FRSecure.

---

I admit I’m biased, but this is the **BEST** group of people **EVER**!

You’ll love these guys. I do. 😊
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors.
•
•
•
INTRODUCTION
Tonight’s Agenda

- Did I say “welcome” yet?! ✓
- **Why** are we here?
- **WHY** are **YOU** here?
- About **FRSecure**.
- Your **instructors**.
- Thank God you’re not stuck with me!

Get to know your **INCREDIBLE** instructors. The BEST of the BEST!
CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Tonight’s Agenda

• 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**?
•
•
INTRODUCTION
Tonight’s Agenda

• 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?
INTRODUCTION
Tonight’s Agenda

• Did I say “welcome” yet?! 
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• More about MISSION
INTRODUCTION
Tonight’s Agenda

• Did I say “welcome” yet?! ✅
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• More about MISSION

You might have noticed this.
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• More about MISSION

#MissionBeforeMoney

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.
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• More about MISSION
• How to get the MOST out of this!
INTRODUCTION

Tonight’s Agenda

- Did I say “welcome” yet?! ✓
- Why are we here?
- WHY are YOU here?
- About FRSecure.
- Your instructors. (they’re pretty great)
- The CISSP Mentor Program?
- 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.
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• 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.
INTRODUCTION
Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• **Why** are we here?
• **WHY** are YOU here?
• About **FRSecure**.
• Your **instructors**. (they’re pretty **great**)
• The **CISSP Mentor Program**?
• More about **MISSION**

Things in RED (like this) are *wisdom* things I don’t want you to forget.

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**.
INTRODUCTION

Tonight’s Agenda

• Did I say “welcome” yet?! ✓
• Why are we here?
• WHY are YOU here?
• About FRSecure.
• Your instructors. (they’re pretty great)
• The CISSP Mentor Program?
• More about MISSION

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.

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

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

Tonight’s Agenda

- Did I say “welcome” yet?! 
- Why are we here?
- WHY are YOU here?
- About FRSecure.
- Your instructors. (they’re pretty great)
- 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.
INTRODUCTION
Why are we here?
It starts with a story...
INTRODUCTION

Why are we here?

It starts with a story...
INTRODUCTION

Why are we here?

It starts with a story…

Why are you doing this?
INTRODUCTION
Why are we here?
It starts with a story...

Why are you doing this?
It’s the mission.
INTRODUCTION
Why are we here?

It starts with a story...

Why are you doing this?

What’s the mission?

It’s the mission.
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.
INTRODUCTION

Why are we here?
It starts with a story...

Why are you doing this?

What’s the mission?

OK.

To fix the broken industry.

It’s the mission.

#MissionBeforeMoney
It starts with a story…

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

The talent we have is struggling.
Quality training is expensive.
• It starts with a story…
• So, the mission is “to fix the broken industry”.
• LOTS, but we’ll stay focused for now.
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?
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.

The talent we have is struggling.

Quality training is expensive.

---

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.
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/

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

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.
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.
The talent we have is struggling.
Quality training is expensive.

Now for some CONTEXT.

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.

72 million unfilled job openings was reported in the most recent non-profit 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.
OUR SEVERE TALENT SHORTAGE PROBLEM...

Source: CyberSeek – www.cyberseek.org
OUR SEVERE TALENT SHORTAGE PROBLEM...


Click on a state or MSA for more info

TOTAL JOB OPENINGS
- 631 - 1,559
- 1,560 - 3,079
- 3,080 - 4,330
- 4,331 - 6,576
- 6,577 - 14,151
- 14,152 - 21,745
- 21,746 - 67,439

Source: CyberSeek – www.cyberseek.org

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
OUR SEVERE TALENT SHORTAGE PROBLEM...


Click on a state or MSA for more info

Source: CyberSeek – www.cyberseek.org

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Total Job Openings. 2021

Source: CyberSeek – www.cyberseek.org
OUR SEVERE TALENT SHORTAGE PROBLEM...


Click on a state or MSA for more info

Source: CyberSeek – [www.cyberseek.org](http://www.cyberseek.org)
OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Total Job Openings.

### National level

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Cybersecurity Job Openings</th>
<th>Supply/Demand Ratio</th>
<th>Geographic Concentration</th>
<th>Top Cybersecurity Job Titles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>521,617</td>
<td>1.8</td>
<td>National average</td>
<td>Cyber Security Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cyber Security Analyst</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cyber Security Consultant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cyber Security Manager/Administrator</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Systems Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Software Developer/Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Network Engineer/Architect</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Vulnerability Analyst/Penetration Tester</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cyber Security Specialist/Technician</td>
</tr>
<tr>
<td>2022</td>
<td>597,767</td>
<td>1.0</td>
<td>National average</td>
<td>Cybersecurity Analyst</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cybersecurity Manager</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cybersecurity Consultant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Software Developer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Systems Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Network Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Penetration &amp; Vulnerability Tester</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Systems Administrator</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cybersecurity Specialist</td>
</tr>
</tbody>
</table>

Source: CyberSeek – www.cyberseek.org

#MissionBeforeMoney
## OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Total Job Openings.

### National level

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Cybersecurity Job Openings</th>
<th>Total Employed Cybersecurity Workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>521,617</td>
<td>941,904</td>
</tr>
<tr>
<td>2022</td>
<td>597,767</td>
<td>1,053,468</td>
</tr>
<tr>
<td>2023</td>
<td>1,112,410</td>
<td>1,112,410</td>
</tr>
</tbody>
</table>

### Supply/Demand Ratio

- **2021**: High Supply (755,743) vs. Low Supply (941,904)
- **2022**: High Supply (1,053,468) vs. Low Supply (597,767)
- **2023**: Average Supply (1,112,410) vs. Average Supply (1,112,410)

### Geographic Concentration

- **2021**: Very Low Average
- **2022**: Average
- **2023**: Average

Source: CyberSeek – www.cyberseek.org

#MissionBeforeMoney
OUR SEVERE TALENT SHORTAGE PROBLEM...

Opportunity. Average Pay.

No doubt, there's opportunity!

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

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

According to SimpliLearn, you will make an average annual salary of $116,573 if you have your CISSP certification.
111x387 It starts with a story…
111x356 So, the mission is "to fix the broken industry".
111x324 LOTS, but we’ll stay focused for now.
111x294 With respect to the CISSP® Mentor Program
111x264 Allegedly, we don’t have enough talent.
111x240 The talent we have is struggling.
111x213 Quality training is expensive.

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

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.

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.

The report is available at: https://www.techrepublic.com/article/the-cybersecurity-skills-gap-persists-for-the-fifth-year-running/
The SAME things were being said in 2010 when we started the CISSP® Mentor Program!

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

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. 

https://www.techrepublic.com/article/the-cybersecurity-skills-gap-persists-for-the-fifth-year-running/
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.
  • The talent we have is struggling.
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.

The talent we have is struggling.

Quality training is expensive.

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?

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.

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.
The talent we have is struggling.
Quality training is expensive.

Cybersecurity burnout is real. And it's going to be.
Burnout is a real issue in the cybersecurity field.

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.
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.

The talent we have is struggling.

Quality training is expensive.

CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

Why are we here?

#MissionBeforeMoney

What's broken?


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.

Over half (51%) of cybersecurity professionals are kept up at night by the stress of the job and work challenges, according to CISSP'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.
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.
The talent we have is struggling.

Quality training is expensive.

Almost like a broken record. Our mission demands action.

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.

The White House this week

The people responsible under severe pressure:

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

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 (65%) 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.

#MissionBeforeMoney
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.
• The talent we have is struggling.
• Quality training is expensive.
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/

The talent we have is struggling:

- **Quality training is expensive.**
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.

The talent we have is struggling.

Quality training is expensive.

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.

Get Instant Pricing and Course Schedules

First and Last Name*

Register/View Pricing

The Certifications You Need

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

The talent we have is struggling.

Quality training is expensive.

The cost of cybersecurity textbooks expenses that start at $3,000-$10,000, while a bare-bones CISSP® Certification costs from $1,995.00 (USD).

Register/View Course and Course Schedules

The Certifications You Need
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.

The talent we have is struggling.

Quality training is expensive.

---

**INTRODUCTION**

This work is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).

*Why are we here?* #MissionBeforeMoney

*What's broken?*

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.
• The talent we have is struggling.
• Quality training is expensive.

So, we’ll start a program to offer FREE CISSP® training and sprinkle in as much mentorship as we can muster.
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.
  • The talent we have is struggling.
  • Quality training is expensive.

So, we’ll start a program to offer **FREE** CISSP® training and sprinkle in as much mentorship as we can muster.
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.
- The talent we have is struggling.
- Quality training is expensive.

So, we’ll start a program to offer FREE CISSP® training and sprinkle in as much mentorship as we can muster.
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.
  • The talent we have is struggling.
  • Quality training is expensive.

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

Like FREE FREE.

The FREE with value!
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.
- The talent we have is struggling.
- Quality training is expensive.

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

Like **FREE** FREE.

**NOT** trial membership **FREE**.

**NOT** limited functionality **FREE**.

**The FREE with value!**
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.
  - The talent we have is struggling.
  - Quality training is expensive.

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

Like FREE FREE.

NOT the no value FREE!

NOT limited functionality FREE.

The FREE with value!

Like NO strings attached FREE.

FRSECURE

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
So, the mission is “to fix the broken industry”.

Delivered 100% in person.

FRSecure had 3 employees.

The Program had 6 students.

Still growing steadily between 2016 – 2020, then Ryan Cloutier joined the fun too!
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.

Still growing steadily between 2016 – 2020, then Ryan Cloutier joined the fun too!
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.  
Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!
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.

Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!

Still growing steadily between 2016 – 2020, then Ryan Cloutier joined the fun too!
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.

Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!

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!
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.

Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!
Still growing steadily between 2016–2020, then Ryan Cloutier joined the fun too!

CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

Why are we here? #MissionBeforeMoney

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

More than $40M of free training over 13 years.
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.

Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!
Still growing steadily between 2016–2020, then Ryan Cloutier joined the fun too!

CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

Why are we here?

#MissionBeforeMoney

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

More than $40M of free training over 13 years.

This is what the mission does.

THIS is WHY we’re 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.
Between 2010 and 2016 things grew steadily, then Brad Nigh joined the fun!
Still growing steadily between 2016 – 2020, then Ryan Cloutier joined the fun too!

CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

WHY are we here?
#MissionBeforeMoney

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

This is what the mission does.
THIS is WHY we’re here.

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

More than $40M of free training over 13 years.
INTRODUCTION

WHY are YOU here?

•
INTRODUCTION

WHY are YOU here?

• There can be many reasons.
INTRODUCTION
WHY are YOU here?
• There can be many reasons.

YOUR PURPOSE?
- Improve on the job
- PASS the exam!
- Learn
- Start a new career
- Further career
- Teach others
- Make friends
INTRODUCTION

WHY are YOU here?

• There can be many reasons.

YOUR PURPOSE?

- Improve on the job
- PASS the exam!
- Learn
- Start a new career
- Further career
- Teach others
- Make friends

You do NOT need to be “experienced” to be here.
INTRODUCTION

WHY are YOU here?

• There can be many reasons.

YOUR PURPOSE?

- Improve on the job
- PASS the exam!
- Learn
- Start a new career
- Further career
- Teach others
- Make friends

You do NOT need to be “experienced” to be here.

There is a place for EVERYBODY here!
There can be many reasons.

People who want to pass the exam, do. We don’t track this.

We get messages all year long.

Why are you here?

- Improve on the job
- Pass the exam!
- Learn
- Start a new career
- Further career
- Teach others
- Make friends

You do NOT need to be “experienced” to be here.

There is a place for EVERYBODY here!

- People who want to pass the exam, do. We don’t track this.
- We get messages all year long.

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
There can be many reasons.

People who want to pass the exam, do. We don’t track this.

We get messages all year long.

**YOUR PURPOSE?**

- Improve on the job
- PASS the exam!
- Learn
- Start a new career
- Further career
- Teach others
- Make friends

You do **NOT** need to be “experienced” to be here.

There is a place for **EVERYBODY** here!

- People who want to pass the exam, do. We don’t track this.
- We get messages all year long.

This is our payment!
There can be many reasons.

People who want to pass the exam, do. We don’t track this.

We get messages all year long.

**INTRODUCTION**

**WHY are YOU here?**

- There can be many reasons.

**YOUR PURPOSE?**

- Improve on the job
- **PASS the exam!**
- Learn
- Start a new career
- Further career
- Teach others
- Make friends

You do **NOT** need to be “experienced” to be here.

There is a place for **EVERYBODY** here!

- People who want to pass the exam, do. We don’t track this.
- We get messages all year long.

This is our payment!

---

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
• There can be many reasons.

• People who want to pass the exam, do. We don’t track this.
• We get messages all year long.

YOUR PURPOSE?

Improve on the job, PASS the exam!, Learn, Start a new career, Further career, Teach others, Make friends

You do NOT need to be “experienced” to be here.

There is a place for EVERYBODY here!

• People who want to pass the exam, do. We don’t track this.
• We get messages all year long.

This is our payment!

FACT: We need you.

Write it down and finish what you started.
INTRODUCTION
About FRSecure
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…
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...
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

Executive Leadership

Evan Francen
CEO

Kevin Orth
CLO

John Harmon
PRESIDENT

Vanae Pearson
CFO

Renay Rutter
COO

Oscar Minks
CTO
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 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.”

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

Your instructors

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

#MissionBeforeMoney

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
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!

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

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

Your instructors – Ryan Cloutier

- 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

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

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

#MissionBeforeMoney
Introducing Chris Foulon

Career Profile:
- 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

- 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.

A GREAT common-sense resource with credibility.
Your instructors – Andrew (AJ) King

- 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.

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…)

A GREAT common-sense resource with credibility.
INTRODUCTION

What is the CISSP Mentor Program?
INTRODUCTION

What is the CISSP Mentor Program?
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.
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.

What is the CISSP Mentor Program?

#MissionBeforeMoney
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.

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.

What is the CISSP Mentor Program?

#MissionBeforeMoney
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.
**INTRODUCTION**

What is the CISSP Mentor Program?

**CLASS SCHEDULE.**

<table>
<thead>
<tr>
<th>Class Number</th>
<th>Date</th>
<th>Topic</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4/10/23</td>
<td>Introduction</td>
<td>Evan</td>
</tr>
<tr>
<td>2</td>
<td>4/12/23</td>
<td>Domain 1: Security &amp; Risk Management</td>
<td>Brad</td>
</tr>
<tr>
<td>4</td>
<td>4/19/23</td>
<td>Domain 3: Security Architecture &amp; Engineering</td>
<td>Ron</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4/26/23</td>
<td>Domain 3: Security Architecture &amp; Engineering</td>
<td>Chris</td>
</tr>
<tr>
<td>6</td>
<td>5/1/23</td>
<td>Domain 4: Communication &amp; Network Security</td>
<td>AJ</td>
</tr>
<tr>
<td>7</td>
<td>5/3/23</td>
<td>Domain 4: Communication &amp; Network Security</td>
<td>Brad</td>
</tr>
<tr>
<td>8</td>
<td>5/8/23</td>
<td>Domain 5: Identity &amp; Access Management</td>
<td>Ryan</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>5/15/23</td>
<td>Domain 6: Security Assessment and Testing</td>
<td>Ron</td>
</tr>
<tr>
<td>10</td>
<td>5/17/23</td>
<td>Domain 7: Security Operations</td>
<td>Chris</td>
</tr>
<tr>
<td>12</td>
<td>5/24/23</td>
<td>Review &amp; Exam Prep</td>
<td>ALL</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>FINAL</td>
<td>5/31/23</td>
<td>Final Exam Prep</td>
<td>ALL</td>
</tr>
</tbody>
</table>
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.
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.

INTRODUCTION

What is the CISSP Mentor Program?

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
INTRODUCTION
What is the CISSP Mentor Program?

WHAT IS A CISSP®?
WHAT IS A CISSP®?

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

ISC² has a tons of free (and mostly good) content.
CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION

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

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
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.

Discover Your Path
See “Pathway to CISSP Certification” for more information.
WHAT IS A CISSP®? - Ultimate Guide to the CISSP @ https://www.isc2.org/Certifications/Ultimate-Guides/CISSP?

Fast Facts About CISSP

- Introduced in 1994
- 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
- More than 129,000 professionals currently hold the CISSP certification
- Computerized Adaptive Testing (CAT) introduced December 18, 2017

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
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
- Exam available in 8 languages at 882 locations in 114 countries
- DoD Approved
- CISSPs work in more than 160 countries globally
- Average CISSP Salary: U.S. $140,230
- More than 156,000 professionals currently hold the CISSP certification
- More than 129,000 individuals hold the CISSP certification
- 93% of CISSPs are lifers
- Computerized Adaptive Testing (CAT) introduced December 18, 2017

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
WHAT IS A CISSP®?
Ultimate Guide to the CISSP @ https://www.isc2.org/Certifications/UltimateGuides/CISSP

CISSP® MENTOR PROGRAM – SESSION ONE

INTRODUCTION
What is the CISSP Mentor Program?

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.

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

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

- (ISC)² Membership

Benefits of

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

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
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.

- **Security Operations**: 13%
- **Software Development Security**: 11%
- **Security Assessment and Testing**: 12%
- **Security and Risk Management**: 15%
- **Identity and Access Management (IAM)**: 13%
- **Asset Security**: 10%
- **Communication and Network Security**: 13%
- **Security Architecture and Engineering**: 13%
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 PVTC 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.
Number of items on the English CISSP CAT (Computer Adaptive Testing) exam

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

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

125-175
Number of items on the English CISSP CAT (Computer Adaptive Testing) exam

Maximum amount of time for the CISSP CAT exam

700
Score you need out of 1,000 to pass the exam

*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.
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.
INTRODUCTION
What is the CISSP Mentor Program?

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

4. Earn CPEs
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.

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.
INTRODUCTION
What is the CISSP Mentor Program?

CERTIFICATION EXAM OUTLINE

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](http://www.isc2.org/Certifications/CISSP/experience-requirements).
## 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](https://www.isc2.org/certifications/CISSP-CAT).

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of exam</td>
<td>4 hours</td>
</tr>
<tr>
<td>Number of items</td>
<td>125 - 175</td>
</tr>
<tr>
<td>Item format</td>
<td>Multiple choice and advanced innovative items</td>
</tr>
<tr>
<td>Passing grade</td>
<td>700 out of 1000 points</td>
</tr>
<tr>
<td>Exam language availability</td>
<td>English</td>
</tr>
<tr>
<td>Testing center</td>
<td>(ISC)² Authorized PPC and PVTC Select Pearson VUE Testing Centers</td>
</tr>
</tbody>
</table>
# CISSP Mentor Program

![Certification Exam Outline](https://www.isc2.org/-media/E42EF1744B6D4D5B9A20136CC706E2CD.ashx)

## CISSP CAT Examination Weights

<table>
<thead>
<tr>
<th>Domains</th>
<th>Average Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Security and Risk Management</td>
<td>15%</td>
</tr>
<tr>
<td>2. Asset Security</td>
<td>10%</td>
</tr>
<tr>
<td>3. Security Architecture and Engineering</td>
<td>13%</td>
</tr>
<tr>
<td>4. Communication and Network Security</td>
<td>13%</td>
</tr>
<tr>
<td>5. Identity and Access Management (IAM)</td>
<td>13%</td>
</tr>
<tr>
<td>6. Security Assessment and Testing</td>
<td>12%</td>
</tr>
<tr>
<td>7. Security Operations</td>
<td>13%</td>
</tr>
<tr>
<td>8. Software Development Security</td>
<td>11%</td>
</tr>
</tbody>
</table>

**Total: 100%**
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
## 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 collection
   » Data location
   » Data maintenance
   » Data retention
   » 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

### Class 3: April 17th
Instructor: Ryan
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)
   » 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
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)
   - 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
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)
» 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

Class 3: April 17th
Instructor: Ryan

Class 4: April 19th
Instructor: Ron

April 24th - BREAK
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)
   » 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

Class 3: April 17th
Instructor: Ryan

Class 4: April 19th
Instructor: Ron

April 24th - BREAK

Class 5: April 26th
Instructor: Chris
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
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
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
May 10th - BREAK
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
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)
Domain 8: Software Development Security

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)

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

Class 11: May 22nd
Instructor: AJ
Review & Exam Preparation

Class 12: May 24th
Instructor: ALL

May 29th - BREAK

Final Exam Preparation

Class 13: May 31st
Instructor: ALL
# Mission Before Money

## What is the CISSP Mentor Program?

### Class Schedule

<table>
<thead>
<tr>
<th>Class Number</th>
<th>Date</th>
<th>Topic</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4/10/23</td>
<td>Introduction</td>
<td>Evan</td>
</tr>
<tr>
<td>2</td>
<td>4/12/23</td>
<td>Domain 1: Security &amp; Risk Management</td>
<td>Brad</td>
</tr>
<tr>
<td>4</td>
<td>4/19/23</td>
<td>Domain 3: Security Architecture &amp; Engineering</td>
<td>Ron</td>
</tr>
<tr>
<td></td>
<td>4/26/23</td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5/1/23</td>
<td>Domain 3: Security Architecture &amp; Engineering</td>
<td>Chris</td>
</tr>
<tr>
<td>7</td>
<td>5/8/23</td>
<td>Domain 4: Communication &amp; Network Security</td>
<td>Brad</td>
</tr>
<tr>
<td>8</td>
<td>5/15/23</td>
<td>Domain 5: Identity &amp; Access Management</td>
<td>Ryan</td>
</tr>
<tr>
<td></td>
<td>5/17/23</td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>5/22/23</td>
<td>Domain 6: Security Assessment and Testing</td>
<td>Ron</td>
</tr>
<tr>
<td>10</td>
<td>5/24/23</td>
<td>Domain 7: Security Operations</td>
<td>Chris</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Review &amp; Exam Prep</td>
<td>ALL</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>Final Class</td>
<td>5/31/23</td>
<td>Final Exam Prep</td>
<td>ALL</td>
</tr>
</tbody>
</table>
Title: The Official (ISC)2 CISSP CBK Reference, 6th Edition.

- ISBN-10: 111978990

About the authors

Follow authors to get new release updates, plus improved recommendations.

**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 security experience, Arthur has a strong background in Cybersecurity.

**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...
READY?! LET’S DIG IN.

BTW. Dogs are cool.
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.

Don’t give up!