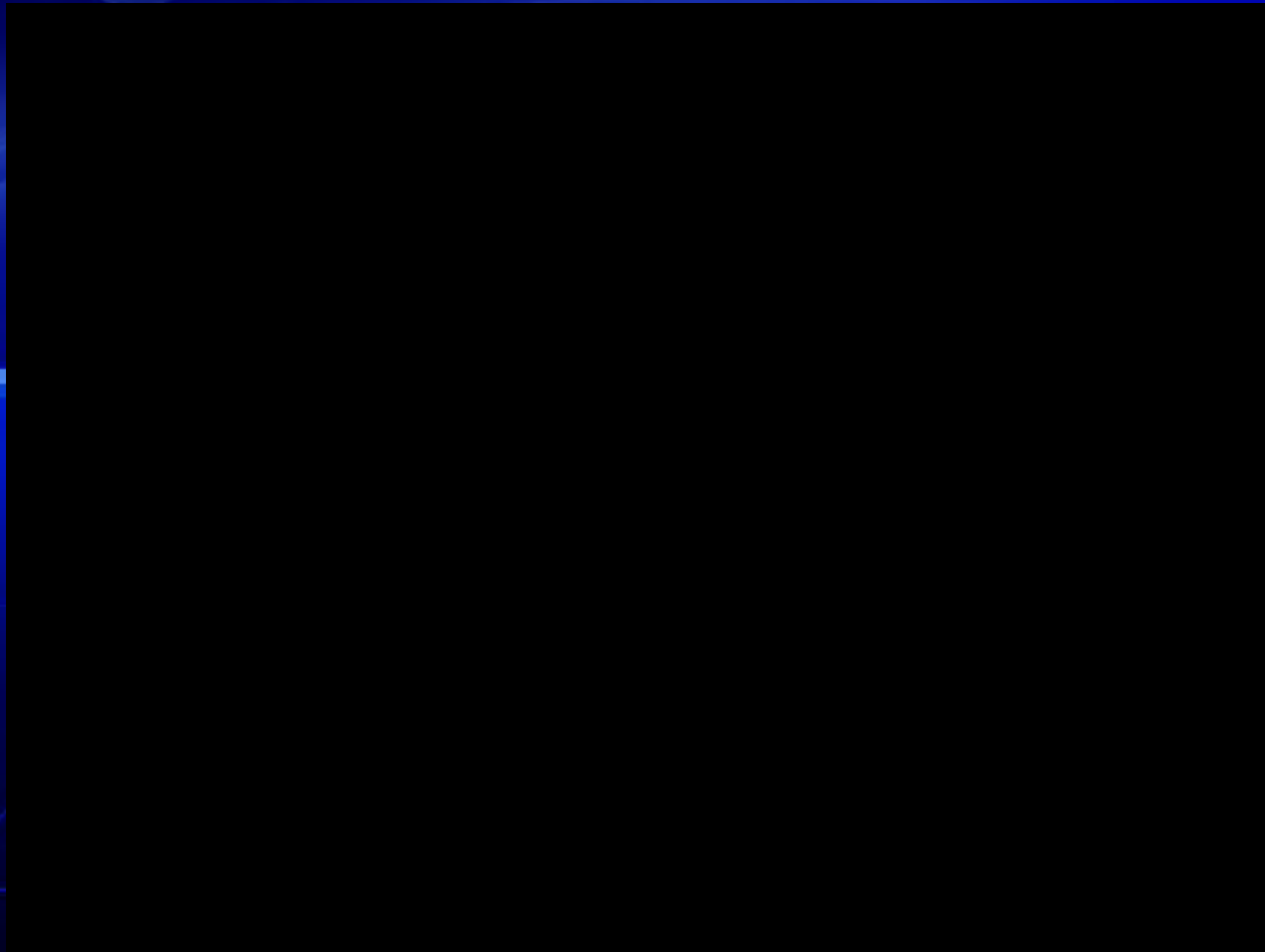


# Welcome to Cisco Networking Academy

Instructor: Kip Bledsoe

# Cisco Networking Academy



# Cisco Pathways

Cisco | Networking Academy®  
Mind Wide Open™

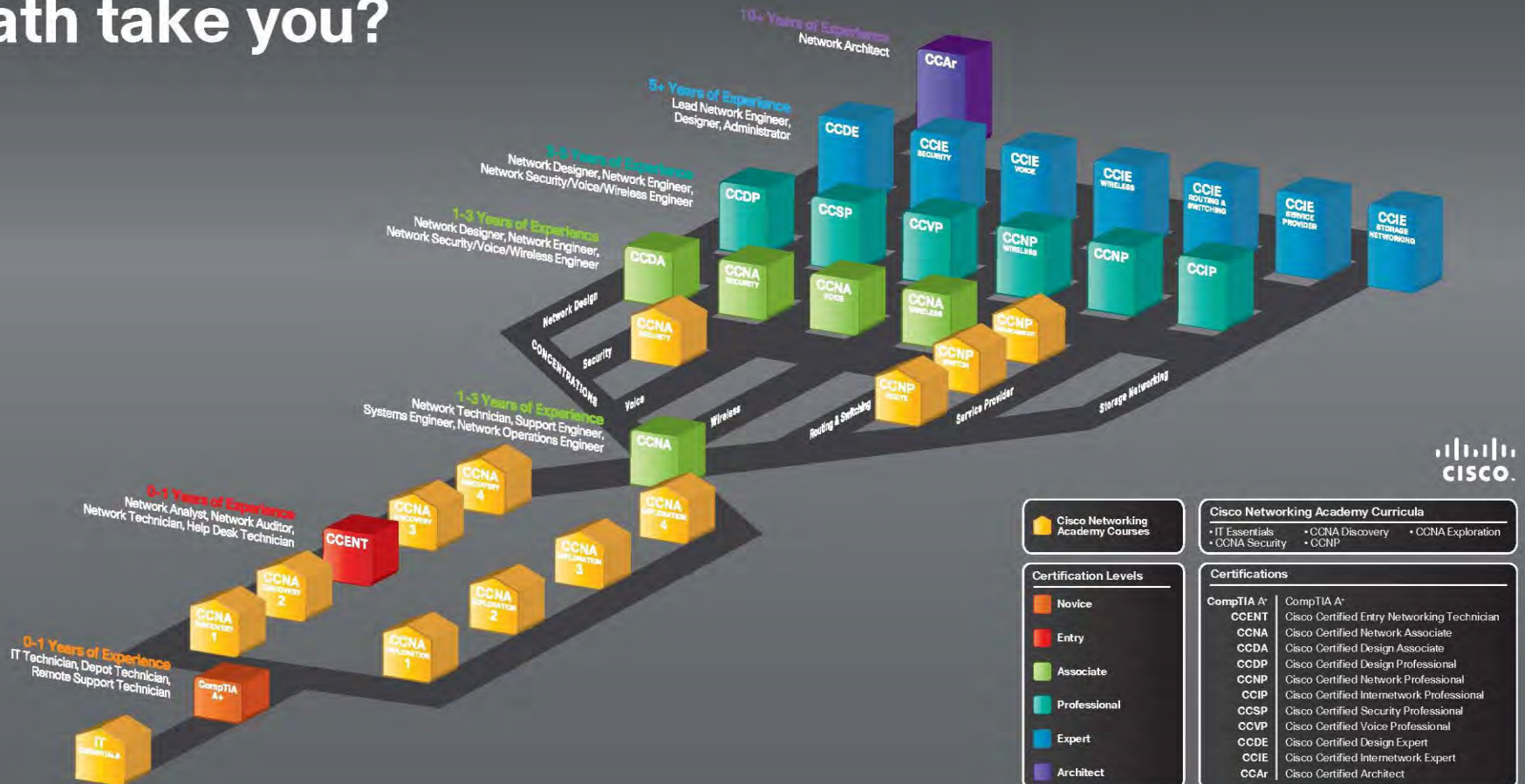
## Where will your path take you?

Cisco | Networking Academy®  
Mind Wide Open™

Cisco Networking Academy is a global education program that teaches students how to design, build, troubleshoot, and secure computer networks for increased access to career and economic opportunities in communities around the world. Networking Academy provides online courses, interactive tools, and hands-on learning activities to help individuals prepare for ICT and networking careers in virtually every type of industry.  
[www.cisco.com/go/netacad](http://www.cisco.com/go/netacad)

Learning@Cisco

Learning@Cisco addresses the need for technical talent worldwide for Cisco customers, partners, and network professionals by providing educational training, certifications, communities, and consulting services that address the global networking skills talent gap and accelerate productivity, opportunity, and growth.  
[www.ciscolearningnetwork.com](http://www.ciscolearningnetwork.com)



Cisco Networking Academy Courses

Cisco Networking Academy Curricula

- IT Essentials
- CCNA Security
- CCNA Discovery
- CCNP
- CCNA Exploration

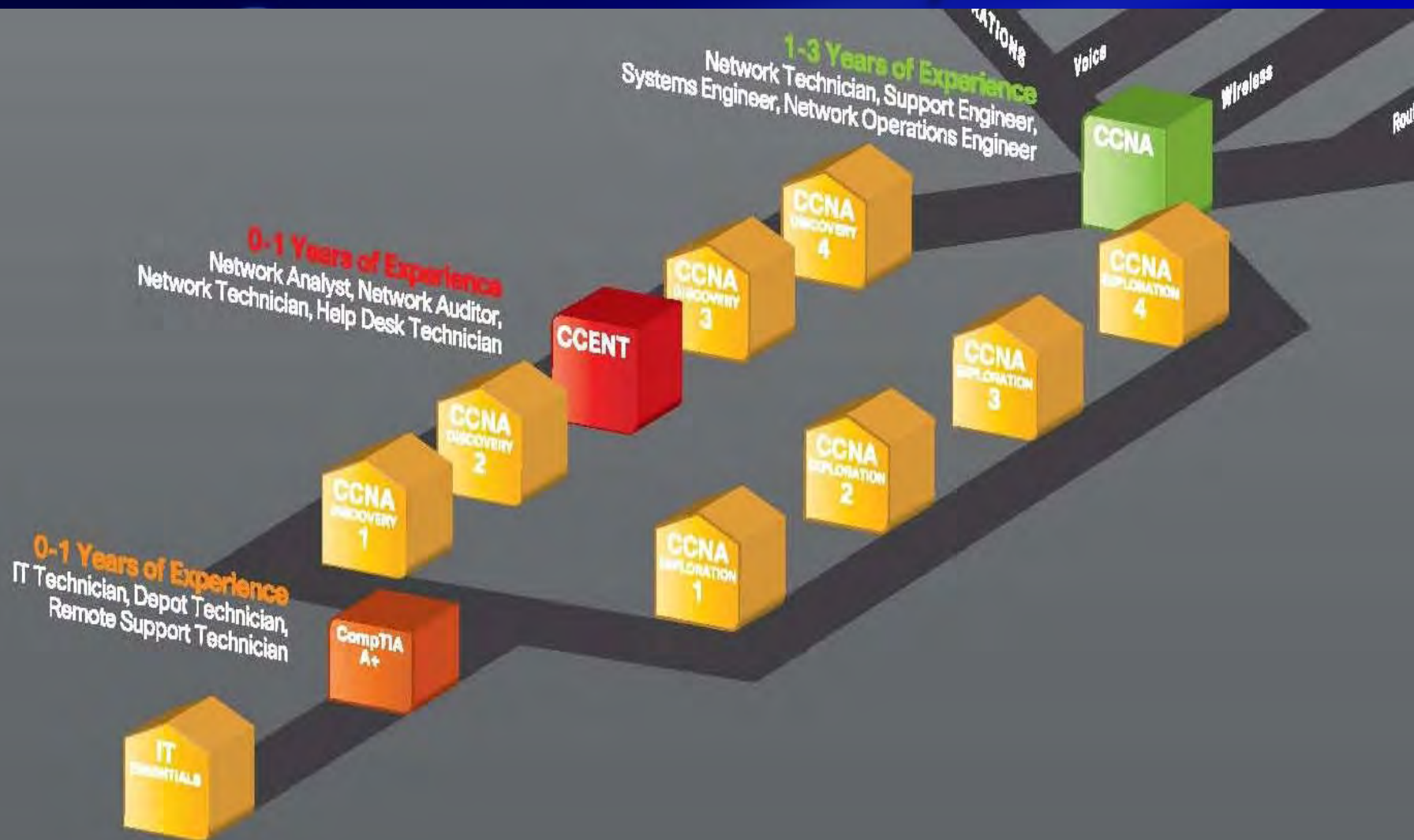
Certification Levels

- Novice
- Entry
- Associate
- Professional
- Expert
- Architect

Certifications

- | CompTIA A+ | CompTIA A+                                  |
|------------|---------------------------------------------|
| CCENT      | Cisco Certified Entry Networking Technician |
| CCNA       | Cisco Certified Network Associate           |
| CCDA       | Cisco Certified Design Associate            |
| CCDP       | Cisco Certified Design Professional         |
| CCNP       | Cisco Certified Network Professional        |
| CCIP       | Cisco Certified Internetwork Professional   |
| CCSP       | Cisco Certified Security Professional       |
| CCVP       | Cisco Certified Voice Professional          |
| CCDE       | Cisco Certified Design Expert               |
| CCIE       | Cisco Certified Internetwork Expert         |
| CCAr       | Cisco Certified Architect                   |

# CCNA Pathways



# Information Technology

Endorsement: Business & Industry

POS: *CISCO Networking*

## **Algebra I or PAP Algebra I**

Credit: 1.0

Grade: 7-9



## **Computer Maintenance**

Credit: 1.0

Grade: 9-12

*Counts as Technology graduation credit*



Recommended  
not required



## **Internet Working I – CISCO I & II**

Credit: 1.0

Grade: 11-12

Location: CTEC

*Students will need to earn a passing scored on each of the CISCO exams to progress to next level (CISCO I in fall and CISCO II in spring)*



## **Dual Credit through Collin College**

### **Internet Working II – CISCO III & IV**

Credit: 1.0

Grade: 12

Location: Collin College

*Students will need to earn a passing scored on each of the CISCO exams to progress to next level*

*Students will need to register with Collin College as a Dual Credit student – Student's high school counselor will need to sign off on registration packet for Collin College admission*

*Student must provide own transportation to Collin College*

## *Optional CISCO / Networking Courses*

### **Computer Science**

Credit: 1.0

Grade: 9-12

*Prerequisite: Geometry (or Concurrent enrollment)*

### **Survey of Information Technology**

Credit: 0.5

Grade: 9-12

### **Video Game Design**

Credit: 1.0

Location: CTEC

Grade: 10-12

*Prerequisites: Computer Science or AP Computer Science*

### **Web Technologies**

Credit: 1.0

Location: CTEC

Grade: 10-12

*Prerequisites: BIM I, DGA, or DIM*

### **Mobile Application Programming**

Credit: 1.0

Location: CTEC

Grade: 11-12

*Prerequisite: Computer Science or AP Computer Science (recommended)*

Note: **Bold & Underlined** Courses are considered "Advanced" CTE courses

# Computer Networking Technology

## ▣ Career Opportunities:

- Computer, Networking and Telecommunications Professionals
- Network Administrator
- Network Service Technician
- Network/Information Systems Manager
- Computer Network Engineers
- Computer Network Analysts

Salary Range:  
\$35K - \$104K  
([www.bls.gov](http://www.bls.gov))

*\*certificates available*



# Cisco Computer Networking Pathway

Collin College

Track

Fall 2015

Spring 2016

Fall 2016

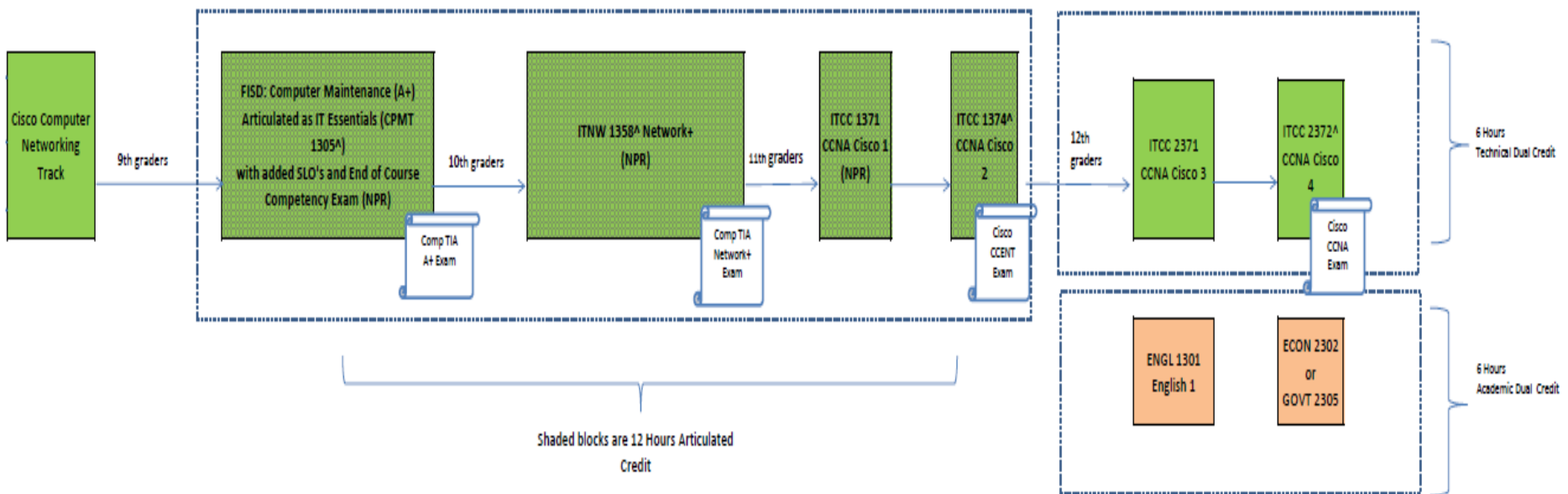
Spring 2017

Fall 2017

Spring 2018

Fall 2018

Spring 2019



It is recommended for a student to take 2 additional Technical Dual Credit Classes in the senior year that are offered in the Cyber Security Pathway: Security + and a higher level security class. By taking these 2 additional classes the net output for students- 30 credit hours of 60 credit hour degree and 5 Industry Certifications

# Information Systems Cybersecurity

## What will you do?

- Network management
- System administration
- Technical support
- Hardware/software installation
- Install secure network systems
- Monitor and maintain traffic and security



Salary Range:  
\$50K - \$140K  
([www.bls.gov](http://www.bls.gov))

Prepares you to take certification exams in CISCO and Microsoft

*\*certificates available*



## Cyber Security Pathway

Collin College

Track

Fall 2015

Spring 2016

Fall 2016

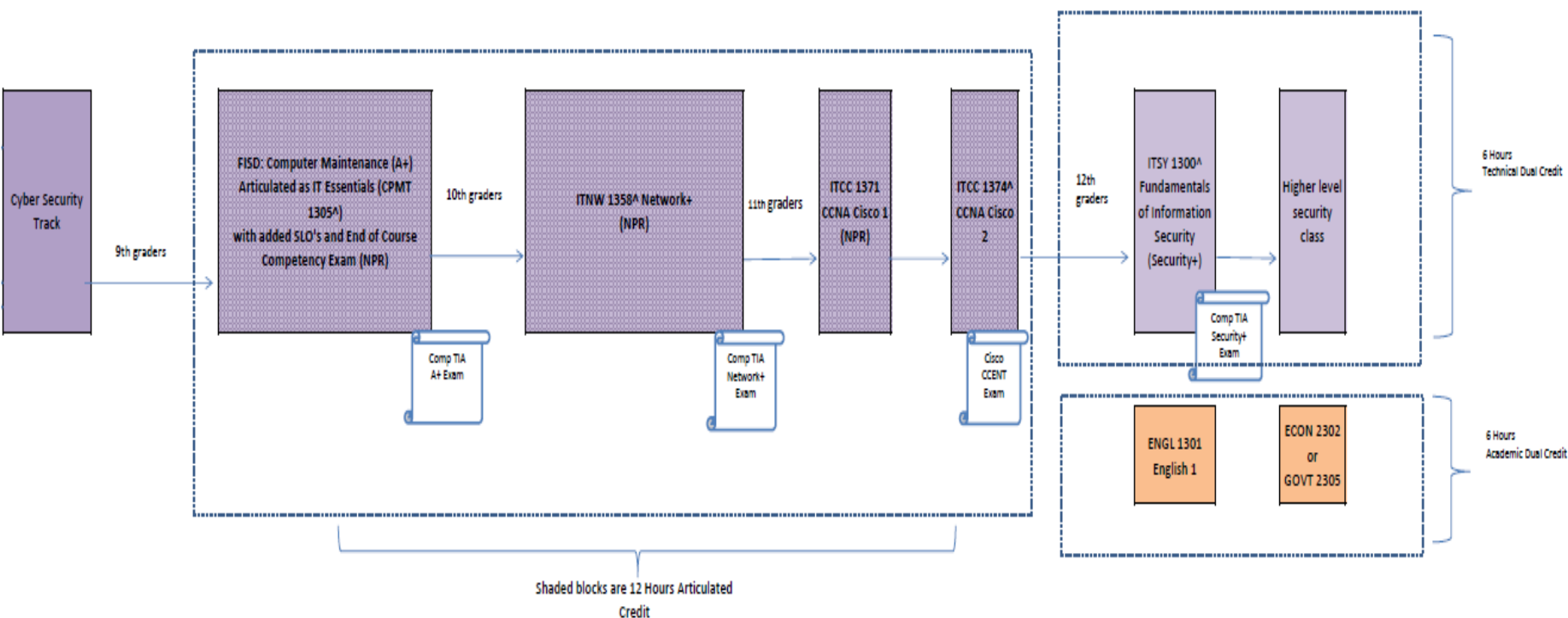
Spring 2017

Fall 2017

Spring 2018

Fall 2018

Spring 2019



It is recommended for a student to take 2 additional Technical Dual Credit Classes in the senior year that are offered in the Networking Pathway: CCNA 3 and CCNA 4. By taking these 2 additional classes, the net output for students- 30 credit hours of 60 credit hour degree and 5 Industry Certifications

# Information Technology Pathway

- ▣ IT Essentials - Computer Maintenance
  - Local Campus
- ▣ Cisco 1/2 – Internet Working 1
  - Cisco 1 – Introduction to Networking
  - Cisco 2 – Routing and Switching Essentials
  - Both taught at CTE
- ▣ Cisco 3/4 – Internet Working 2
  - ▣ Cisco 3 – Scaling Networks
  - ▣ Cisco 4 – Connecting Networks
  - ▣ Technical Dual enrollment
  - ▣ Both taught at Collin College

# Technical Dual Credit

- Taking a class at the high school level for both HIGH SCHOOL and COLLEGE credit.
- Students will need to complete the entire admissions process with Collin College to be eligible for a dual credit class.



&



- ▣ From an ex-Cisco student:
- ▣ “I'm working in IT as a UNIX system admin. The things you taught us in your networking class are the things I now deal with on a daily basis. Thank you for what you taught me in high school.”

# Business Professionals of America

- ▣ Competitions
  - Network Design Team
  - Cisco Administrator
  - Computer Network Technology
  - PC Servicing and Troubleshooting
- ▣ Regional - January
- ▣ State - March
- ▣ National - May

