

DESIGNING THE FUTURE

THE SCHOOL OF TECHNOLOGY
PLAYBOOK

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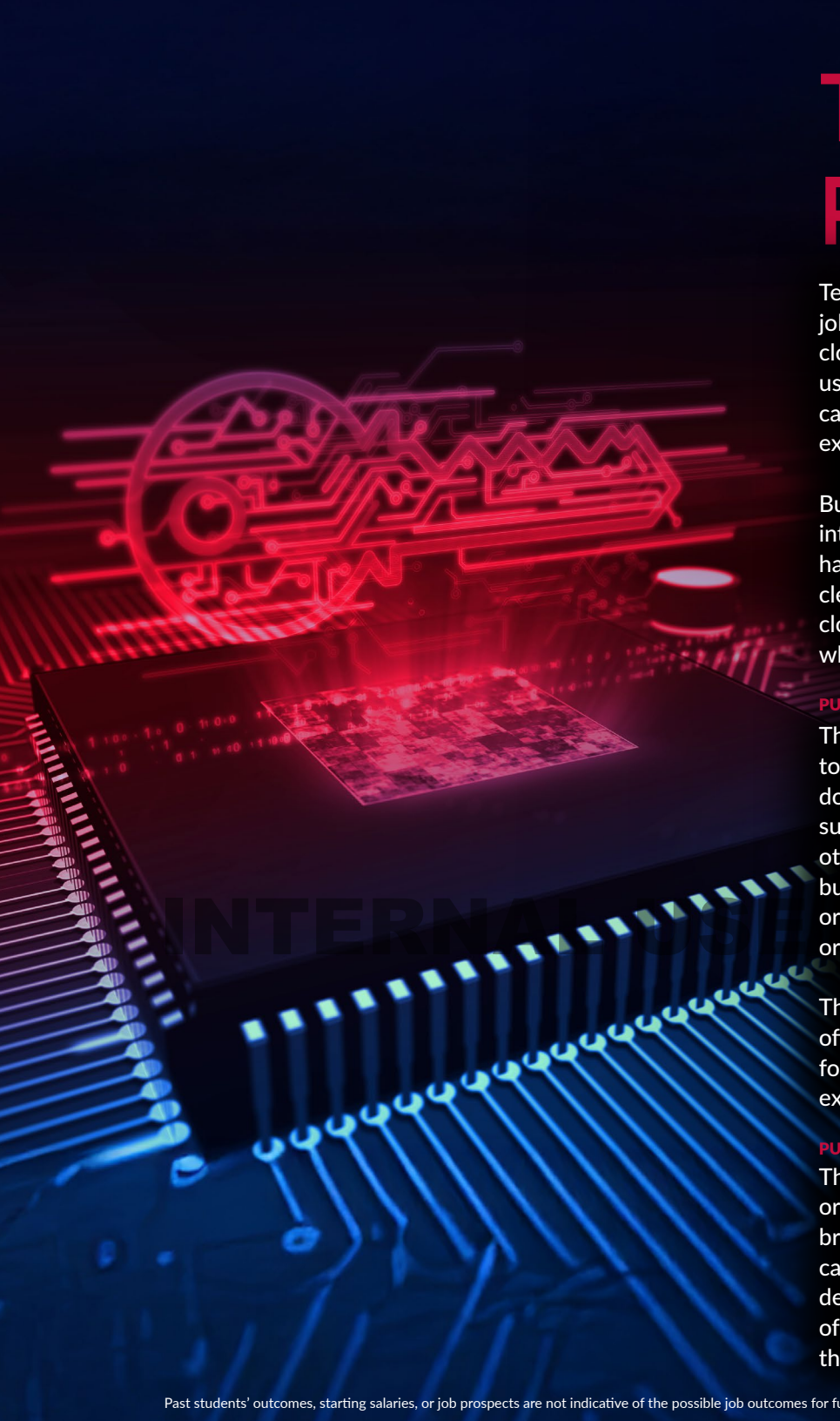

THE PURPOSE

Technology is no longer a single industry. It's the operating layer underneath almost every job sector. Healthcare offices run on digital records, small businesses rely on networks and cloud tools, logistics depends on data and systems uptime, and even traditional trades now use software, diagnostics, and mobile platforms. That creates a steady need for people who can support users, keep systems secure, build software, work with data, and design digital experiences.

But the opportunity is guarded by a significant barrier: many entry-level roles no longer ask for interest and tinkering experience; they ask for proof. Employers want candidates who can show hands-on ability (through example projects, troubleshooting examples, portfolios), communicate clearly, and follow basic process and security practices. SCI's School of Technology exists to close that gap with structured training that focuses on practical work students can point to when they apply.

PURPOSE FOR STUDENT

The School of Technology helps students turn interest in tech into a credible first step toward entry-level employment by answering three questions students always face: Where do I start? What track fits me? What do I need to show? For some, the fastest entry point is support: solving real problems, documenting fixes, and helping teams stay productive. For others, they want to get a bit more hands on in the protection protocols in Cyber Security: building safe habits, understanding risk, and supporting protection practices that every organization needs. Others are drawn to building: software development, UI/UX design, or data work, paths where portfolios and project-based evidence matter from day one.

The opportunity in tech is a ladder of skills that can grow over time: entry-level roles often become a base for specialization, stronger responsibility, and higher pay, especially for students who keep building projects, earning credentials when relevant, and gaining experience.

PURPOSE FOR SCI

The School of Technology positions SCI as a focused source of practical tech talent by organizing programs into clear pathways and standards that employers recognize. By bringing Technology programs under one banner, SCI can clarify pathways so students can choose a track with fewer wrong turns (support → systems → security, or design/development/data tracks with portfolio expectations). Helping students standardize proof of skill across programs and aligning their training to workplace expectations will separate the student as well as SCI on the market.

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THE OPPORTUNITY

Technology jobs are a large opportunity because nearly every industry now relies on software, networks, data, and security to operate. BLS's national data groups these roles into "Computer and Information Technology Occupations" and projects about **317,700 openings per year (average, 2024–2034)** from growth and replacement needs.*

Within that umbrella, the strongest growth areas map directly to what students see in the marketplace right now. BLS's national data projects the **Data scientists** industry to grow **34% (2024–2034)** with about **23,400 openings per year**, driven by rising demand for data-driven decisions and expanding volumes of data. **Information security analysts** are projected to grow **29%** with about **16,000 openings per year**, and BLS ties that demand to the rising frequency of cyberattacks plus the need to secure new technologies as AI use and e-commerce expand. **Software developers (and QA/test roles)** are projected to grow 15% with about **129,200 openings per year**, and BLS links that demand to continued expansion of software development for areas like AI, IoT, robotics, and automation applications.

At the same time, tech also has "wide entry" pathways with heavy replacement demand. **Computer support specialists** are projected to decline slightly overall (-3%), but BLS still expects about **50,500 openings per year**, largely because people move on, upskill, or exit the workforce. BLS also notes that automation (such as chatbots) is reshaping entry-level support work toward more complex cases. And on the digital experience side, **web developers and digital designers** are projected to grow **7%** with about **14,500 openings per year**, supported by continued e-commerce growth and demand for mobile-friendly websites and interfaces.

The market rewards candidates who can show proof of skill (projects, troubleshooting examples, portfolios), communicate clearly, and follow real-world process and security expectations. Framed this way, the School of Technology can be positioned as a practical on-ramp: helping students pick the right lane early, build demonstrable work they can show employers, and step into an entry-level role that gives them the experience to keep moving forward.

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OBJECTIVES

PRIORITY

We welcome every prospect with confidence and make the tech path feel clear instead of overwhelming. The School of Technology should feel organized, current, and practical, focused on hands-on work students can show (projects, troubleshooting examples, portfolios) and on the real expectations of entry-level tech roles. This priority matters because tech now sits underneath almost every industry, but the entry point is often gated by "proof of skill," not just interest.

WHAT WE MUST

ACHIEVE

- Help the prospect feel confident investing their time in skills-based, hands-on tech training, and understand they will build demonstrable work, not just "take classes."
- Demonstrate that SCI's School of Technology is structured, professional, and aligned to how tech teams actually work: clear process, clear expectations, and consistent support.
- Ensure every first-time prospect understands where to start, which track fits, and what they need to produce (portfolio/proof) to be competitive.

HOW WE'LL

MEASURE

- Hitting enrollment targets for Technology programs across campuses and online.
- Measuring program and course completion, plus completion of "proof artifacts" (projects, labs, portfolios, troubleshooting writeups).
- Confirming students report stronger readiness for entry-level roles: clearer pathway, stronger confidence communicating their work, and clearer understanding of process and security expectations.
- Creative and messaging for the School of Technology remains consistent, practical, and centered on real-world tech work (support, security, building, data, design).

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PRIMARY

PROFILE

- Adults 18–35 exploring a first tech career, plus career changers who want a realistic path into office-based or hybrid work.
- People who are motivated by stability and growth, and who want a clear "ladder" they can climb over time (start → specialize → level up).

CORE

NEED

- "Will this program help me build real proof of skill and choose the right tech path, so I'm not guessing my way into an entry-level role?"

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IDEAL SCHOOL OF TECHNOLOGY STUDENT

PROFILE

AGE

STAGE OF LIFE

- 18–35 exploring a first career or adults restarting after retail/warehouse/service roles and looking for a more stable, respected path.
- Curious about tech but tired of vague advice like “just watch YouTube” or “build something”, they want structure and standards.
- Comfortable spending time at a computer and willing to practice consistently (skills compound in tech).
- Wants a path that makes sense: support → systems → security, or design/development/data tracks where portfolios matter early.

TEMPERAMENT

& MINDSET

- Patient problem-solver who doesn’t panic when something breaks, willing to troubleshoot step-by-step.
- Coachable: responds best to clear expectations, clear feedback, and repeatable practice.
- Practical and grounded: prefers “show me what to do next” over hype or vague promises.
- Comfortable following basic process and security habits (checklists, documentation, safe handling of data).

MOTIVATIONS

& GOALS

- Wants a clear entry point into tech: support, security, development, data, or design, without wasting time on the wrong lane.
- Wants evidence they can show in interviews: projects, portfolios, troubleshooting stories, and clear explanations of what they did.
- Motivated by growth: starting somewhere entry-level and building toward specialization and stronger pay over time.

COMMON

PAIN POINTS

- Unsure where to start in tech or how the steps connect from first class to first role.
- Worried they’ll pick the wrong track (security vs dev vs data vs design) and waste months.
- Anxiety about “proof”: not having projects, not knowing what a portfolio should include, or not being able to explain their work clearly.
- Nervous about technical ramp-up: code, logic, networking concepts, or the feeling of “falling behind.”
- Concerned about juggling training with work, family, and unreliable schedules.

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IDEAL SCHOOL OF TECHNOLOGY STUDENT

PROFILE CONTINUED

ACADEMIC

& TECHNICAL READINESS

- Has (or is working toward) a high school diploma or GED.
- Comfortable with basic reading/writing and willing to improve professional communication (tickets, emails, documentation).
- Willing to practice technical skills through hands-on tasks that produce usable outputs: projects, labs, portfolios, troubleshooting writeups.
- Learns best when concepts connect to real work: solving user problems, building a simple application, analyzing a dataset, or designing an interface with clear rationale.

PHYSICAL

& SAFETY READINESS

- Comfortable with sustained computer-based work (focus, screen time, basic ergonomics).
- Willing to follow "safety" in a tech sense: password hygiene, data handling, privacy awareness, and responsible tool use.

SOFT SKILLS

CHARACTER

- Dependable: shows up on time and communicates early when something changes.
- Service mindset: can listen, stay calm under pressure, and treat people respectfully, especially in support-style roles.
- Coachable and resilient: can take feedback, revise work, and keep going when something breaks.
- Professional pride: understands reputation matters and that "how you work" is part of employability.

LOGISTICS

& NON-NEGOTIABLES

- Has reliable transportation to campus (or a reliable plan for attendance if online).
- Has consistent access to required technology (computer + dependable internet) and is willing to use standard tools (email, docs, learning platforms).
- Realistic about schedule and willing to protect study/practice time each week (tech progress is repetition-driven).
- Understands some employers may require standard screenings (background checks and/or drug testing depending on the workplace) and is prepared to navigate professional hiring steps.

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PROGRAM FIT ACROSS TECHNOLOGY



- Associate of Applied Science in Computer Science



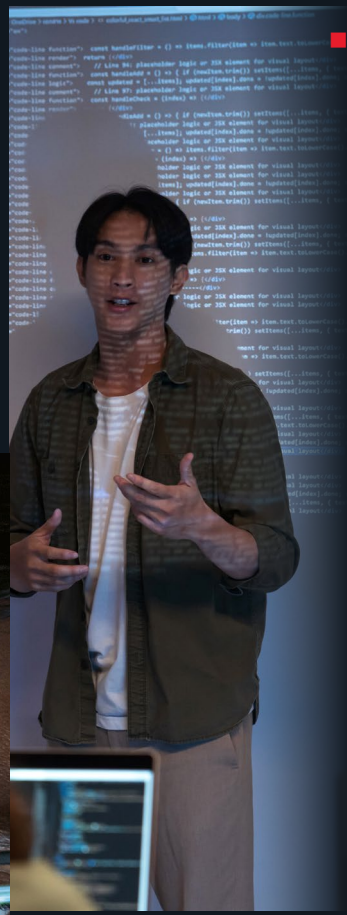
- Computer Support Specialist



- Cyber Security



- Data Science



- Software Developer



- UI|UX Designer

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PAIN POINTS

TARGET AUDIENCE

Adults 18–35 exploring their first tech career, plus adult career changers who want a clearer, more stable path into office-based or hybrid work, often while balancing jobs and family responsibilities.

OBJECTIVES

- Demonstrate that SCI's School of Technology is professional, practical, and centered on real-world expectations: proof of skill, clear process, and clear communication.
- Attract prospects who want structure: a defined starting point, a track that fits, and a plan for building demonstrable work they can show employers.

PRIMARY PAIN POINTS

CORE PAIN POINTS

- **Pathway clarity:** Uncertain how to start and what the steps look like, "Do I begin with support, security, dev, data, or design?"
- **Proof of skill:** Anxiety about not having projects/portfolio evidence, "What do I need to build to be taken seriously?"
- **Choosing the right lane:** Fear of picking the wrong track and losing time, money, and momentum.
- **Time to income:** Wants a realistic timeline from first class to being ready to apply for entry-level roles, including what "ready" actually means in tech.
- **Cost vs return:** Concern about tuition and the total cost of training, plus worry about whether they'll be competitive at the end.

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SECONDARY

SECONDARY PAIN POINTS

- **Technical confidence:** Fear of "falling behind" when content gets harder (code, networking concepts, security thinking, data tools, design critique).
- **Career signaling:** Nervous about interviews, resumes, and explaining projects clearly to non-technical hiring managers.
- **Consistency & life balance:** Managing study time, practice time, work schedules, and family responsibilities without burning out.
- **Rapid change anxiety:** Worry that tech changes too fast, needs reassurance that the goal is strong fundamentals + repeatable practice habits.

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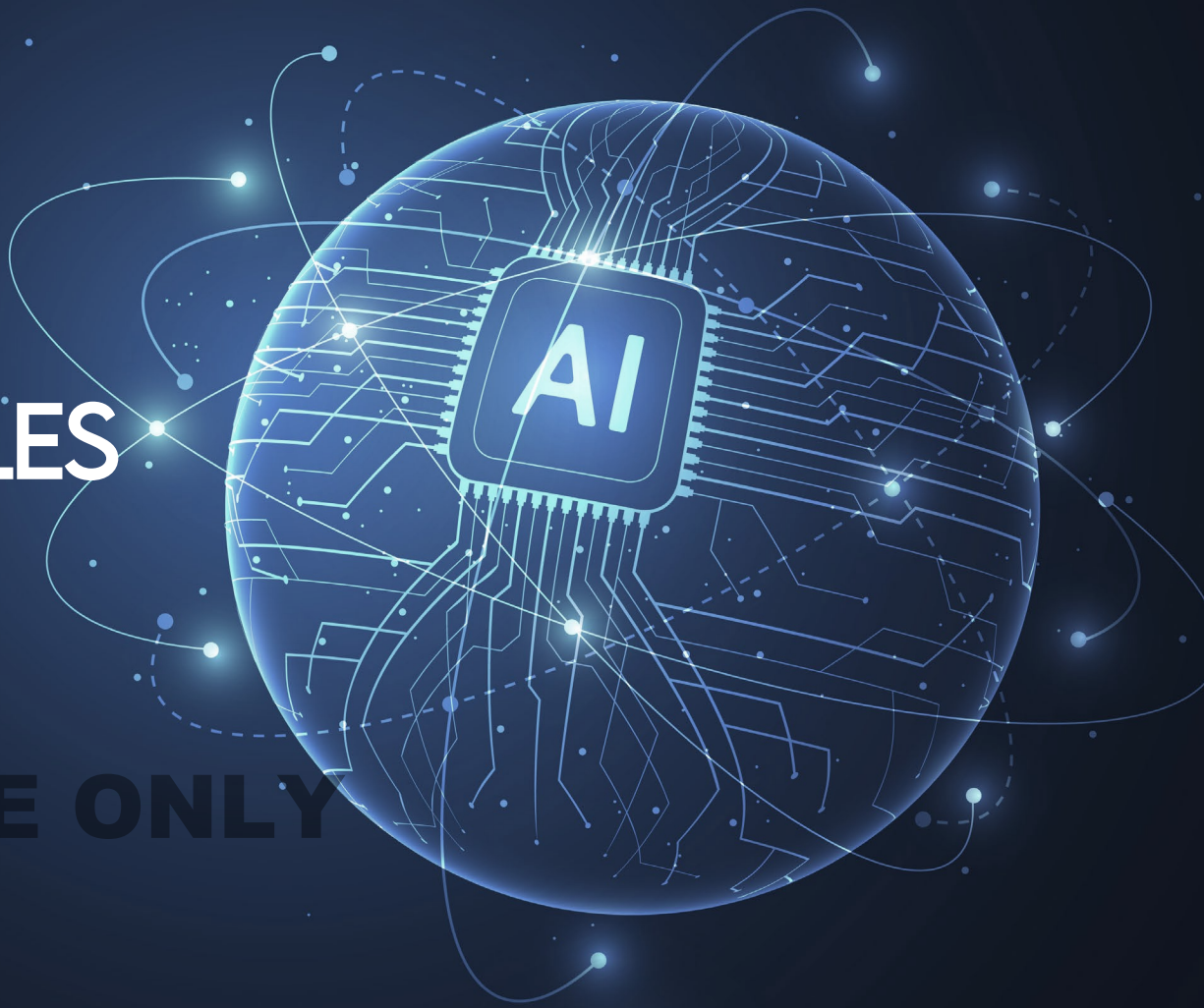
INDUSTRY PROFILES



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SOUTHERN CAREERS INSTITUTE
ASSOCIATE OF APPLIED SCIENCE IN
COMPUTER SCIENCE MANAGEMENT

*Computer and information systems managers sit at the leadership end of the computer science and IT pipeline. National labor data classifies these roles as Computer and Information Systems Managers—people who plan, coordinate, and direct computer-related activities in an organization. In 2024, they held about 667,100 jobs across the U.S., with the largest employers in computer systems design and related services (20%), finance and insurance (13%), information industries (13%), management of companies (10%), and manufacturing (6%).

Length of Program

51 WEEKS

Online Classes
With Successful full-time enrollment

Tuition

$ **$22,100.00**

Career Skill Badges

19

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Recognized Certifications

5

Graduates are eligible to sit for certification
Students train to sit for the certification exams.

Occupations

$

Graduates from an SCI-level program may be prepared to pursue starting roles such as:

- *Front End Web Developer*
- *Back-End Web Developer*
- *Full Stack Developer*
- *Computer Support Specialist*
- *Computer Programmer*
- *Network and Computer Systems Administrator*

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Behind these jobs is a very large IT services economy. The core industry group Computer Systems Design and Related Services—which includes IT consulting, systems design, software and integration services—generated about $648.8 billion in U.S. revenue in 2022, and includes well over 200,000 U.S. business entities ranging from small consultancies to major global firms. Globally, the IT services market is estimated at roughly $1.5 trillion in 2024 and is projected to reach about $2.59 trillion by 2030, growing at around 9–10% annually as organizations invest in cloud computing, Cyber Security, AI, and digital transformation. In the United States alone, IT services spending is projected to grow from about $490.9 billion in 2025 to $691.6 billion by 2030 (about 7.1% CAGR), reflecting ongoing demand for people who can connect technology decisions with business goals.

What this means for SCI Associate of Applied Science in Computer Science Management students



For students in a Computer Science Management–type program at Southern Careers Institute, BLS's national data points to a large, fast-growing IT services ecosystem where organizations need people who understand both technology and business. BLS's national data also describes long-term management-level roles that typically require a bachelor's degree and years of experience, but it also highlights the overall strength of the sector that entry-level workers are stepping into. Graduates from an SCI-level program may be prepared to pursue starting roles such as IT support specialist, junior systems or business analyst, operations or project assistant, or technology coordinator.

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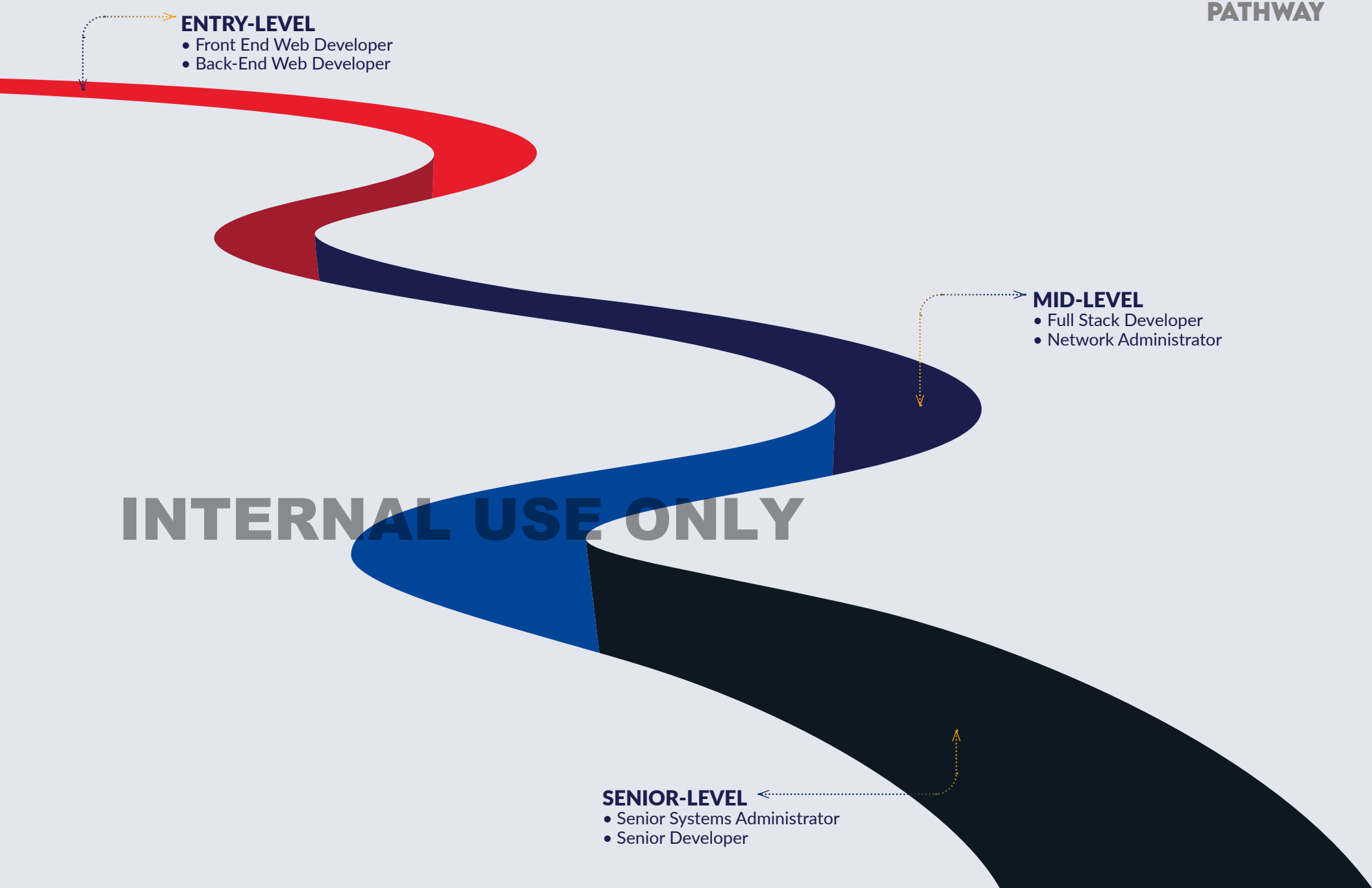
SCI ASSOCIATE OF APPLIED SCIENCE IN COMPUTER SCIENCE MANAGEMENT PATHWAY



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COMPUTER SUPPORT SPECIALIST

*Computer Support Specialists are the “first responders” for technology issues in offices, schools, hospitals, and nearly every kind of organization that relies on computers. National labor data group these workers under Computer Support Specialists, which includes both computer user support specialists (help desk/desktop support) and computer network support specialists. In 2024, there were about 882,300 computer support specialist jobs across the U.S. Bureau of Labor Statistics. These roles are spread across computer systems design firms, corporate IT departments, government, education, healthcare, and many other industries that need day-to-day tech support.

Length of Program

27 WEEKS

Day/Online Classes
With Successful full-time enrollment

Tuition

$ $13,950.00

Career Skill Badges

9

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Recognized Certifications

5

Graduates are eligible to sit for certification
Students train to sit for the certification exams.

Occupations

$

Graduates may be prepared to pursue entry-level opportunities such as:

- *Help Desk Coordinator*
- *Help Desk Specialist*
- *PC Technician*
- *Desktop Support Technician*
- *Software Trainer*
- *Software Installer*
- *Computer Applications Specialist*
- *Computer Support Specialist*

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The overall job count for computer support specialists is projected to decline about 3% from 2024–2034, but BLS’s national data still expects about 50,500 job openings per year over the decade, almost all from replacement needs as workers move into other IT roles, change careers, or retire. Some basic troubleshooting work is being automated or offshored, which affects the growth rate, but organizations still need people who can handle more complex problems, support remote and hybrid work, and communicate clearly with non-technical users. Entry into the field typically requires some college-level IT coursework, a certificate, or relevant certifications, especially for user support, with more education often preferred for network support

What this means for SCI Computer Support Specialist Students



For students in Southern Careers Institute’s Computer Support Specialist program, BLS’s national data describes an industry that is widespread and driven by ongoing replacement openings, rather than rapid headcount growth. Many employers look for candidates who have postsecondary training plus strong customer-service skills, especially for help-desk and desktop support roles. Graduates may be prepared to pursue entry-level opportunities such as help-desk technician, IT support assistant, desktop support specialist, or junior technical support representative, depending on local employer needs and any additional certifications (for example, CompTIA A+ or similar) they complete.

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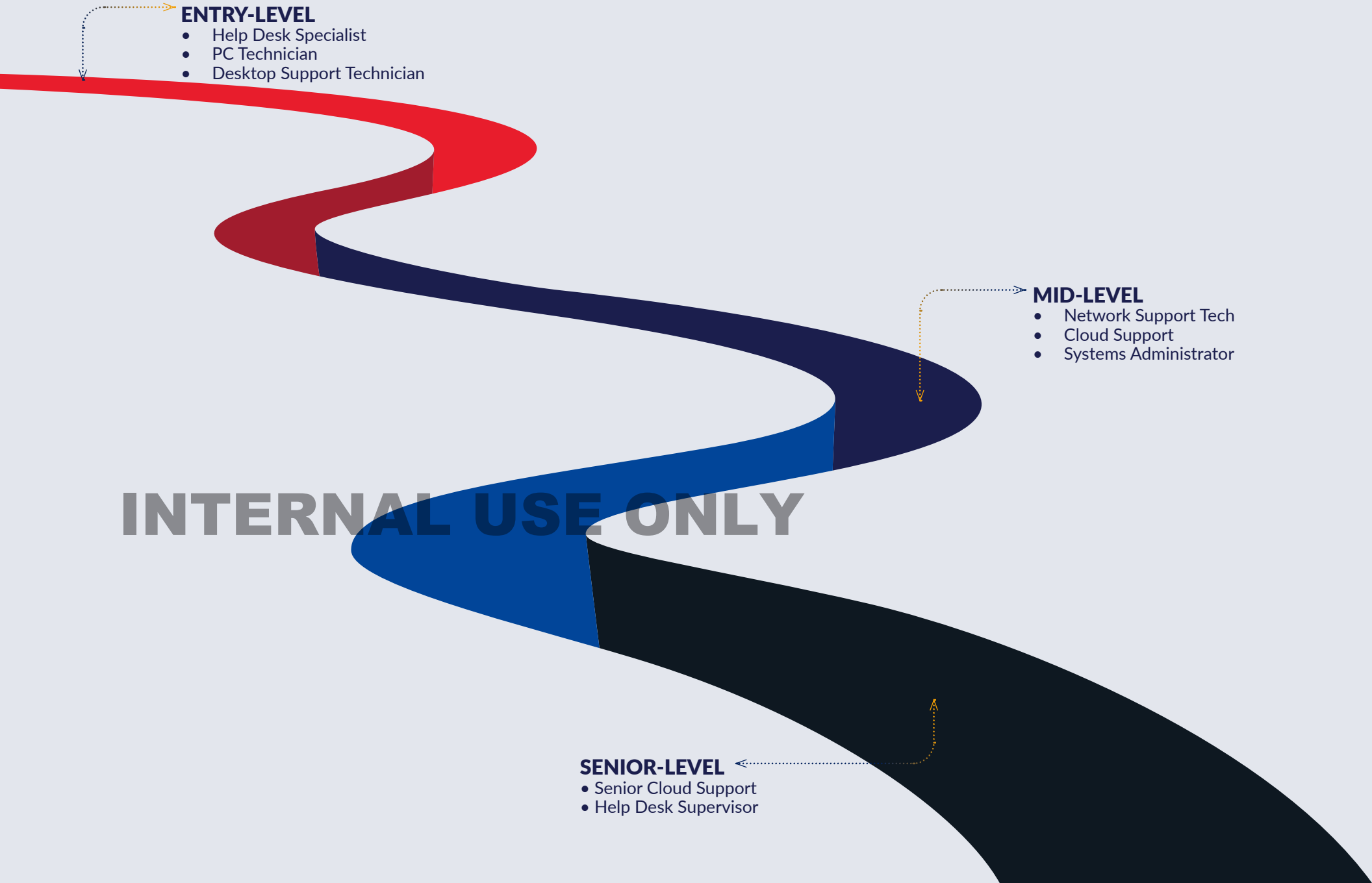
COMPUTER SUPPORT SPECIALIST PATHWAYS



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*Cyber Security is one of the fastest-growing areas in IT. The U.S. Bureau of Labor Statistics groups many core Cyber Security roles under Information Security Analysts — professionals who plan and carry out security measures to protect an organization's computer networks and systems. In 2024, there were about 182,800 information security analyst jobs in the United States, with large shares working in computer systems design (22%), finance and insurance (16%), management of companies (10%), information industries (9%), and consulting services (6%).

Length of Program

33 WEEKS

Online
With Successful full-time enrollment

Tuition

$

$15,800.00

Career Skill Badges

10

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Recognized Certifications

1

Graduates are eligible to sit for certification
Students train to sit for the certification exams.

Occupations

$

Graduates may find entry-level employment in:

- *Security Operations Center Analyst Trainee*
- *Junior Cyber Security Technician*
- *Security Support Technician*
- *IT Support Specialist (with focus in security)*
- *Network Support Role*

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Job growth is exceptionally strong. BLS's national data projects that employment of information security analysts will grow 29% from 2024–2034, compared with about 3% for all occupations. That translates into about 16,000 openings per year over the decade, driven by both new positions and replacement needs as workers move into other roles or retire. Other analyses note that Cyber Security job postings remain very high—hundreds of thousands per year across related roles—because organizations in nearly every sector are dealing with more frequent cyberattacks, tighter regulations, and rapid adoption of cloud, AI, and connected devices.

What this means for SCI Cyber Security students



For students in Southern Careers Institute's Cyber Security program, BLS's national data profile demonstrates an industry with strong long-term demand and steady openings as technology and threats keep evolving. Graduates will have the opportunity to work in roles information security analyst, which commonly require a bachelor's degree and experience, but the same market pressure that drives those roles also creates opportunities at the entry level. Depending on employer requirements and additional credentials, students may be prepared to pursue starting roles such as security operations center (SOC) analyst trainee, junior cyber security or security support technician, IT support specialist with a security focus,or network support roles that feed into security positions.

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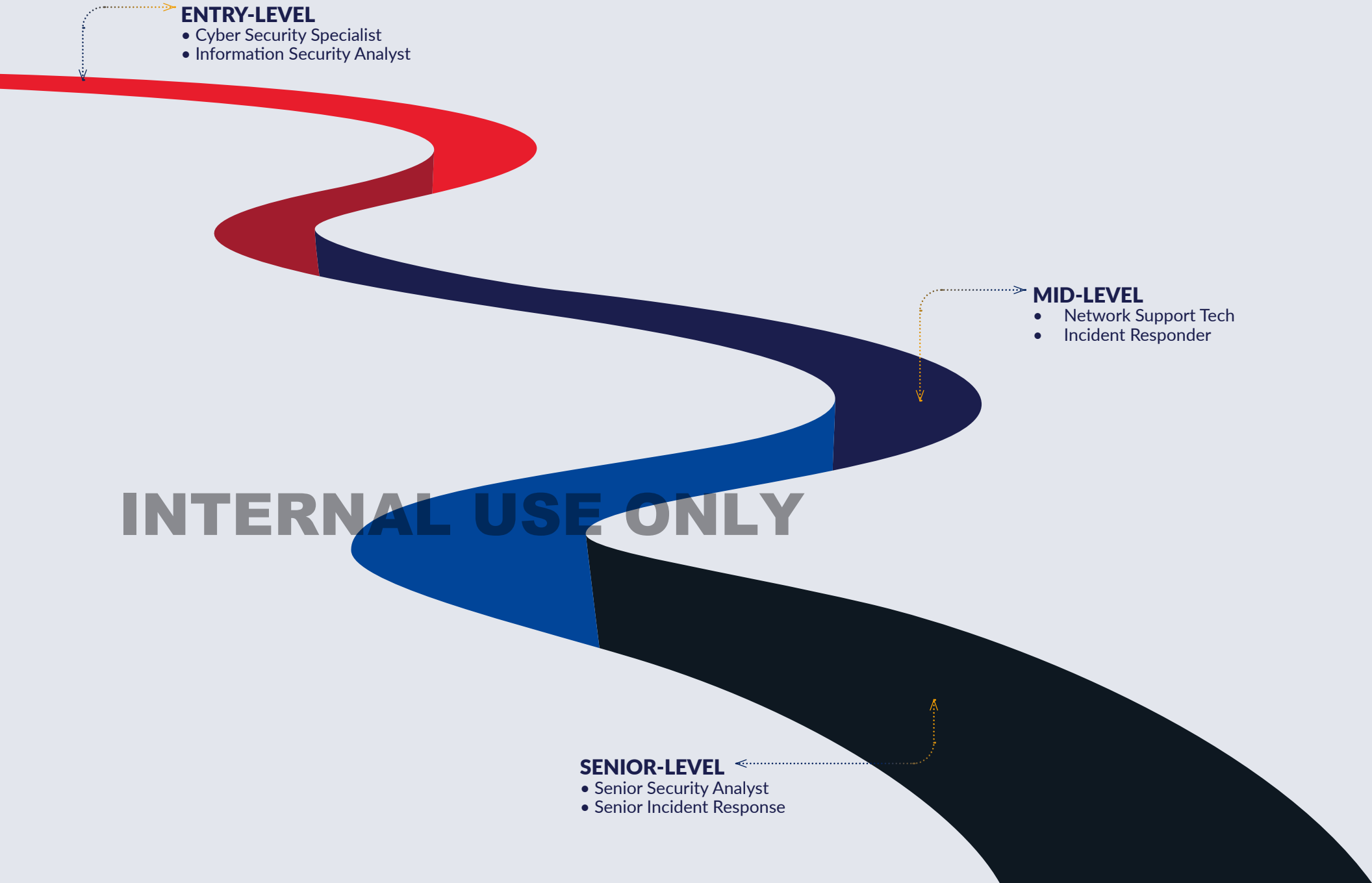
CYBER SECURITY PATHWAYS



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*Data science is a fast-growing, high-impact field that helps organizations turn vast amounts of data into actionable insights that improve decision-making, operations, and innovation across industries. In U.S. labor data, these roles are captured under Data Scientists.

Length of Program

33 WEEKS

Online
With Successful full-time enrollment

Tuition

$ **$15,800**

Career Skill Badges

10

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Occupations

$

Graduates may find entry-level employment in:

- *Data Analyst*
- *Junior Data Scientist*
- *Business Intelligence Assistant*
- *Data Operations Specialist*
- *Data Scientist*

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Data science roles are not limited to one industry—they appear in technology, finance, healthcare, education, manufacturing, government, consulting, and retail, among others—because almost all organizations leverage data to improve performance and outcomes. Geographic patterns also show concentrations in tech hubs: California, New York, and Texas have some of the highest employment levels, with particularly high wages in states like California and Washington.

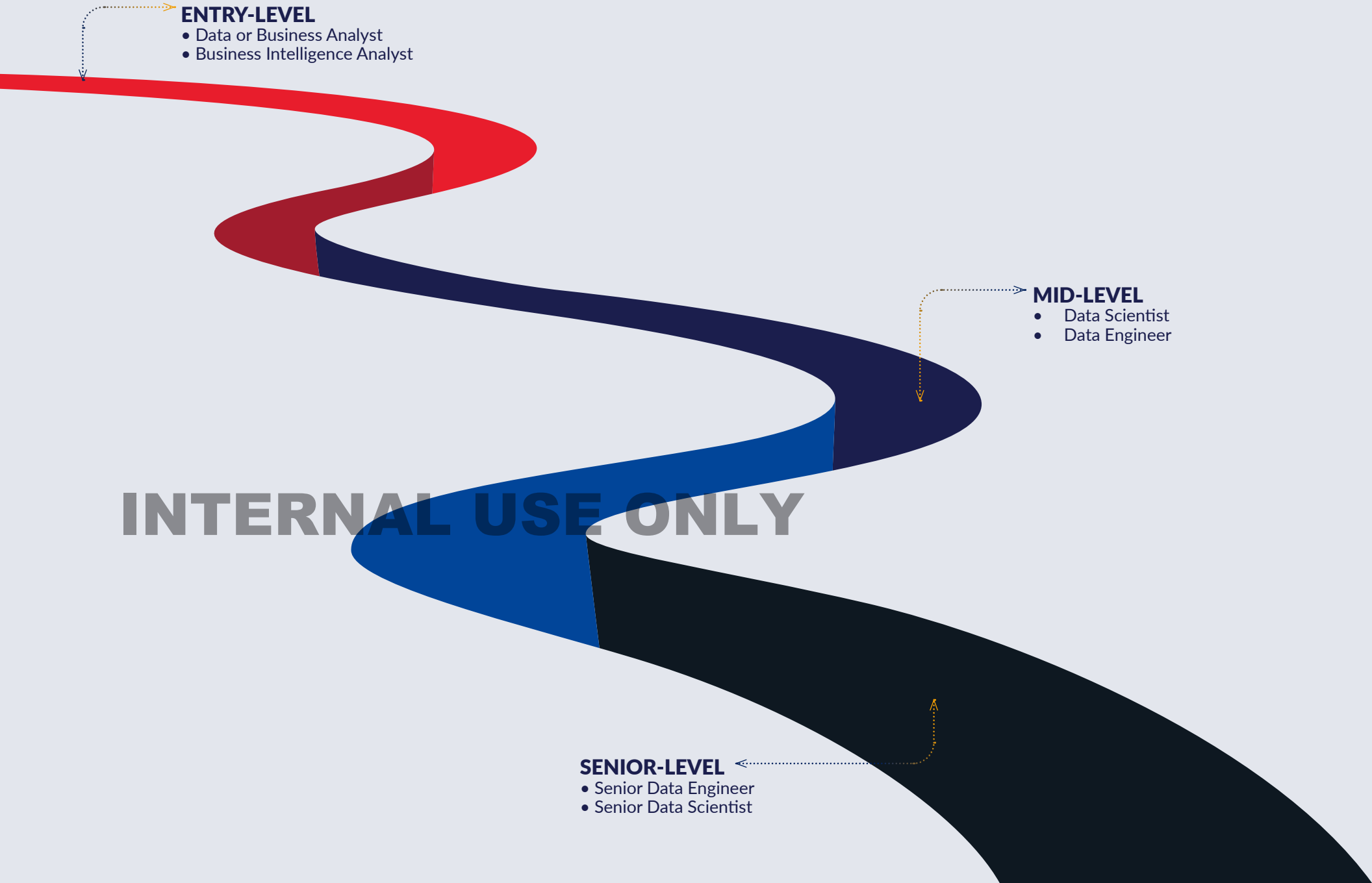
What this means for SCI Data Science students



For students completing a Data Science program at Southern Careers Institute, BLS's national data points to an industry with strong long-term demand and broad applicability across the economy. While many data science roles require a bachelor's degree or higher and may also emphasize experience with statistics and programming, the field also includes entry-level opportunities such as data analyst, junior data scientist, business intelligence assistant, or data operations specialist that build a foundation for growth in analytics careers. Employers often value technical skills in data wrangling, visualization, SQL, Python, R, statistics, and machine learning fundamentals, along with business communication skills.

TECHNOLOGY
SOUTHERN CAREERS INSTITUTE

DATA SCIENCE PATHWAYS



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Software developers design and build the applications and underlying systems that power phones, websites, business software, and connected devices. They analyze user needs, design software solutions, coordinate how different components fit together, and often work closely with programmers, testers, and hardware teams. In 2024, software developers held about 1.7 million jobs in the U.S., with major employment in computer systems design and related services (30%), finance and insurance (10%), software publishers (9%), manufacturing (8%), and management of companies and enterprises (5%)—showing that developer skills are used across both tech companies and non-tech industries.

Length of Program

33 WEEKS

Online
With Successful full-time enrollment

Tuition

$ **$15,800**

Career Skill Badges

10

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Occupations

$

Graduates may find entry-level employment as:

- *.NET Developer*
- *App Developer*
- *Back-End Web Developer*
- *Front-End Web Developer*
- *Fullstack Web Developer*
- *Java Developer*
- *Software Developer*
- *Software Engineer*
- *Web Developer*

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Job growth for software developers is much faster than average. BLS's national data projections show that employment for software developers is expected to grow about 16% from 2024–2034, compared with about 3% growth for all occupations, adding roughly 267,700 developer jobs over the decade and bringing total employment to about 2.0 million by 2034. In the broader projections, developers account for most of the growth within the "software and web developers, programmers, and testers" group, with an estimated 115,200 job openings per year for software developers alone when you include both new jobs and replacements for workers who change careers or retire. BLS links this demand to continued expansion of software for AI, Internet of Things (IoT), robotics, Cyber Security, and software-enabled products such as EVs and connected devices.

What this means for SCI Software Developer students



For students in Southern Careers Institute's Software Developer program, BLS's national data describes a field strong projected growth and broad demand across many industries, not only traditional tech companies. Software Developers usually enter the occupation with a bachelor's degree in computer and information technology or a related field, plus a strong foundation in programming and software design. An SCI-level program does not replace a four-year degree, but it can help students begin building the practical skills and portfolio pieces that are often valued in junior or support roles on development teams. Depending on local employer expectations and their prior experience, graduates may be positioned to pursue entry-level opportunities such as junior developer, QA or test support, software support, or other technical roles that can serve as stepping stones toward full software developer positions.

TECHNOLOGY
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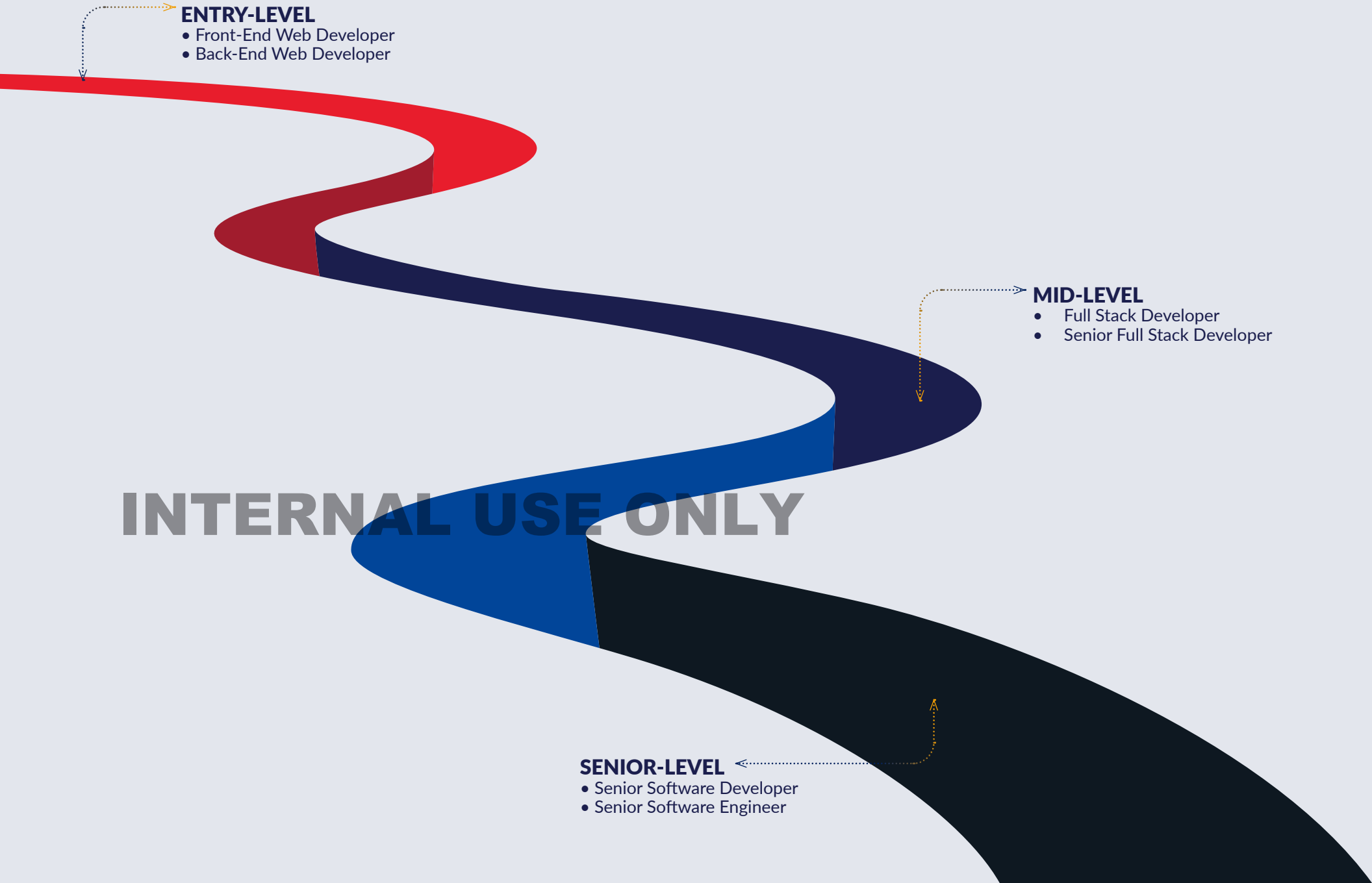
SOFTWARE DEVELOPER PATHWAYS



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*User interface and user experience (UI/UX) designers are typically counted in U.S. labor data under “web and digital interface designers”—a subcategory of Web Developers and Digital Designers in the computer and information technology group. These professionals design the look, feel, and usability of websites and digital products, focusing on layout, navigation, typography, color, and interaction patterns so that users can move through an app or site smoothly. In 2024, web and digital interface designers held about 128,900 jobs, out of 214,900 total jobs for web developers and digital designers. The largest employers for web and digital interface designers were computer systems design and related services (12%), self-employed work (10%), finance and insurance (5%), advertising and PR (4%), and retail trade (4%), showing that UI/UX skills are used across many sectors.

Length of Program

33 WEEKS

Day Classes
With Successful full-time enrollment

Tuition

$ **$15,800**

Career Skill Badges

9

Conveying expertise to employers
Demonstrates knowledge of in-demand skills based on program training.

Occupations

$

Graduates may find entry-level employment in:

- ***Web and Digital Interface Designer***
- ***UX Designer***
- ***UI Designer***
- ***Product Designer***

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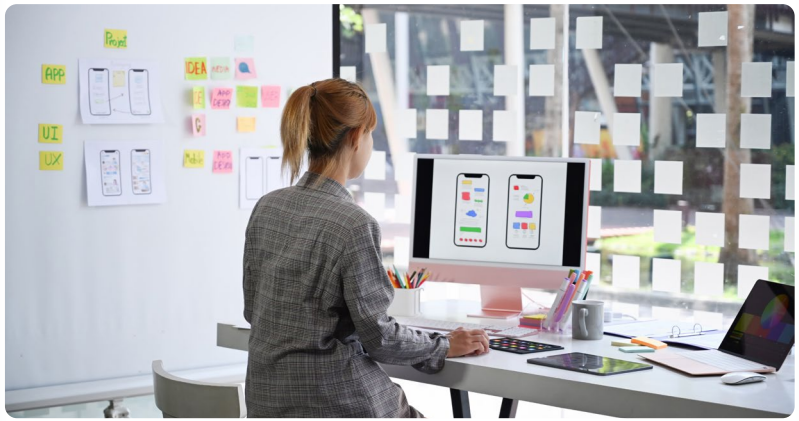
The outlook for this cluster of roles is favorable. Overall employment of web developers and digital designers is projected to grow 7% from 2024–2034, compared with about 3% for all occupations, which BLS’s national data classifies as “much faster than average.” For web and digital interface designers specifically, employment is projected to grow 7%, from 128,900 jobs in 2024 to 137,900 in 2034. Across the combined group, BLS projects about 14,500 job openings per year over the decade, driven by both new positions and the need to replace workers who change careers or retire. Growth is tied to the expansion of e-commerce, mobile apps, and digital services, and the ongoing need to create interfaces that work well on many devices and feel intuitive to users. Educational requirements for these roles range from a high school diploma to a bachelor’s degree, but employers consistently emphasize strong portfolios and practical design skills.

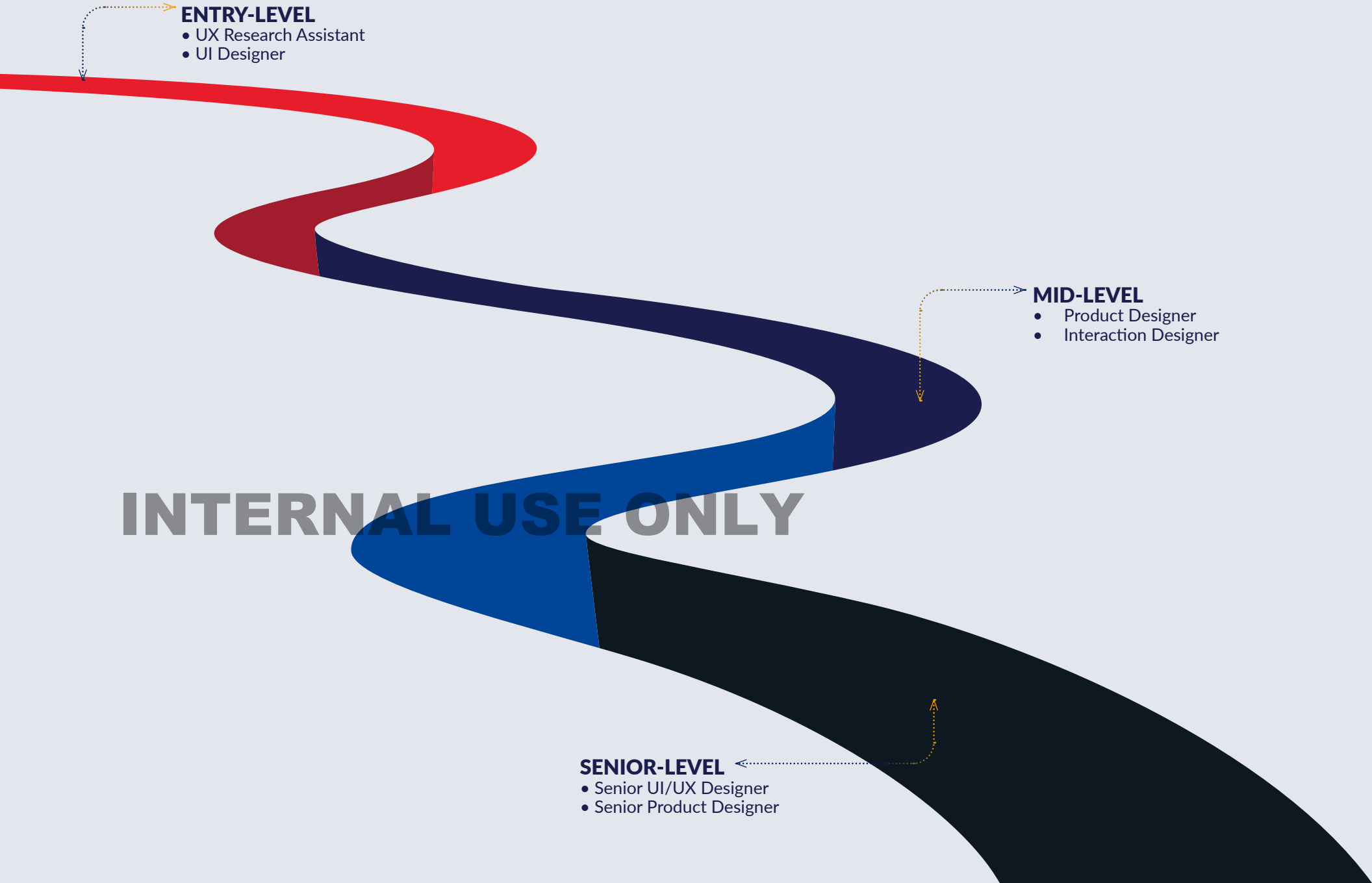
What this means for SCI UI/UX Designer students



For students in Southern Careers Institute’s UI/UX Designer program, BLS’s national data describes an industry with healthy growth and diverse employer types—from agencies and software companies to finance, retail, and startups. BLS’s national data also suggests that many UI/UX-aligned roles are listed under titles such as web and digital interface designer, UI designer, UX designer, product designer, front-end web designer, or similar job names, and that employers often look for candidates who can present clear, user-focused projects in a portfolio rather than relying on a single degree path.

TECHNOLOGY
SOUTHERN CAREERS INSTITUTE

UI/UX DESIGNER PATHWAYS



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TONE & VOICE

How SCI Talks (Voice, Tone, Style)

STRAIGHTFORWARD, HUMAN AND

EMPOWERING

- **Plain-spoken, steady, and respectful:** we sound like a trusted experienced tech professionals with simple language—helpful, not hype.
- **People-first language:** talk about students and professionals as people with goals, families, and responsibilities, not just "workers."
- **Concrete > clever:** prefer clear steps, tools, labs, and timelines over slogans or buzzwords.
- **Active, hands-on verbs:** study, train, prepare, build, code, design...Etc.
- **Consistent word choices:** instructors are "knowledgeable" and "experienced," not "gurus" or "masters." Use "in as little as [X]" when talking about timelines.
- **Avoid words like:** "ensure, guarantee, or you will"
- **Pathway framing:** "Choose your skill → train in software and different coding languages → prepare for certifications or endorsements → pursue entry-level opportunities."
- **Visualize progress:** show what students practice first, what comes next, and how they can use those skills on real job sites.
- **Established Pathway:** SCI presents students the opportunity to pursue a pathway to higher skills in the technology industry

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TECHNOLOGY

SOUTHERN CAREERS INSTITUTE



PROGRAM DESCRIPTIONS

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SOUTHERN CAREERS INSTITUTE
SOFTWARE DEVELOPER

The Software Developer program prepares students in full-stack web development and application programming. Students study programming foundations, frontend and back-end frameworks, database development, mobile and responsive design, deployment, web security, and agile project management to support software and web application development environments.



LEARN iT.

Our Software Developer students have the opportunity to train on:

- JavaScript
- HTML
- Angular or React
- N-Tier Applications
- Interactive UIs
- SQL and NoSQL Frameworks
- Server-side functionality using a back-end programming language

Graduates may find entry-level employment as a:

- .NET Developer
- App Developer
- Back-End Web Developer
- Front-End Web Developer
- Fullstack Web Developer
- Java Developer
- Software Developer
- Software Engineer
- Web Developer

Length of Program*

33 WEEKS

ONLINE

*With successful full-time enrollment. Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.

INTERNAL USE ONLY

Earn the following 10 Skill Badges conveying proficiency in your field:

HTML, CSS & Javascript
Front End Foundations
Programming Foundations
Front End Frameworks
Back End Foundations
Database Foundations
Mobile Apps and Responsive Design
Agile Project Management & Career Skills
Deployment & Web Security
Group Project

Discover more information about this program in the Southern Careers Institute School Catalog at SCItexas.edu

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SWD100 Coding from Scratch
Learn foundations of HTML, CSS, & JavaScript & how to record & share progress with Git

SWD101 Front End Foundations
Create robust web apps & code structure for large, client-side web projects

SWD102 Programming Foundations
Understand programming principles of chosen career path. Learn language specific concepts in Java, C#, or JavaScript

SWD103 Front End Frameworks
Learn front-end best practices & Single Page Web Applications (SPA) with either React or Angular frameworks

SWD104 Back End Foundations
Create server-side web apps & services with choice of Express, ASP .NET, or Spring

SWD105 Database Foundations
Learn how to design, store, & manipulate databases. Students will work with both rational (SQL) & non-rational databases

SWD106 Mobile Apps and Responsive Design
Explore Responsive Design principles & create a mobile-first experience to be used on mobile apps

SWD107 Agile Project Management and Career Skills
Manage software projects & teams, learn roles & responsibilities as well as the Software Development Lifecycle (SDLC)

SWD108 Deployment and Web Security
Understand the process & benefits of deploying a web application to a cloud hosting provider

SWD109 Group Project
Build a full-stack application as an Agile Project Team followed by a presentation in front of family, friends, and employers



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Course Code	Course Name	Badge Name	Badge Image	Badge Description (Hard Skill)	Soft Skill(s)
SWD100	Coding from Scratch	HTML, CSS, & Javascript Skill Badge		HTML, CSS, & Javascript & progress with GIT	Communication
SWD101	Front End Foundations	Front End Foundations Skill Badge		Web apps & code structure for large, client-side web projects	Organization
SWD102	Programming Foundations	Programming Foundations Skill Badge		Programming Foundations	Adaptability
SWD103	Front End Frameworks	Front End Frameworks Skill Badge		Front end frameworks	Attention to Detail
SWD104	Back End Foundations	Back End Foundations Skill Badge		Server-side web apps & services	Adaptability
SWD105	Database Foundations	Database Foundations Skill Badge		Designed, store, & manipulate databases: SQL and non-rational databases	Attention to Detail
SWD106	Mobile Apps and Responsive Design	Mobile Apps and Responsive Design Skill Badge		Responsive Design & mobile-first experience	Creativity
SWD107	Agile Project Management and Career Skill	Agile Project Management and Career Skills Skill Badge		AGILE Project Management	Leadership
SWD108	Deployment and Web Security	Deployment and Web Security Skill Badge		Deployment and Web Security	Organization
SWD109	Group Project	Group Project Skill Badge		Hands-on application of skills	Teamwork

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SOUTHERN CAREERS INSTITUTE
DATA SCIENCE

The Data Science program prepares students in statistical and computational techniques used to analyze and interpret data. Students study statistics, computer programming, data processing, data visualization, data modeling, big data concepts, and machine learning to support data analysis and decision-making across business and organizational environments.



LEARN iT.

Our Data Science students have the opportunity to train in:

- Statistics
- Computer Programming
- Data Visualization
- Data Modeling
- Big Data
- Machine Learning

Graduates may pursue careers as:

- Business Intelligence Analyst
- Data or Business Analyst
- Data Scientist
- Data Engineer
- Marketing Analyst
- Finance Analyst
- Database Administrator

Length of Program*

33 WEEKS

ONLINE

*With successful full-time enrollment. Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.

INTERNAL USE ONLY

Earn the following 10 Skill Badges conveying proficiency in your field:

Basic Statistics
Statistical Programming in R
Metrics & Data Processing
Data Wrangling & Visualization
Intermediate Statistics
Machine Learning & Modeling
Introduction to Big Data
SQL & NoSQL
Programming Foundations in Python
Group Project

LEARN iT.

DSO101 Basic Statistics
Learn what it means to be a data scientist. Understand the basics of data & perform your first analyses & visualizations

DSO102 Statistical Programming
Use R to manipulate, analyze, & visualize data

DSO103 Metrics and Data Processing
Learn how to create new metrics for businesses & basics of Agile Project Management

DSO104 Data Wrangling and Visualization
Understand the process of changing structure & format of raw data until the data is compatible with sometimes rigid requirements for analysis & appreciate the power of representing data graphically

DSO105 Intermediate Statistics
Draw insight from data using advanced statistical analyses

DSO106 Machine Learning and Modeling
Predict future events & reduce risk through supervised & unsupervised machine learning & modeling techniques

DSO107 Introduction to Big Data
Learn Big Data concepts like MapReduce & learn Amazon Web Services to use Spark

DSO108 Databases
Learn how to design, store, & manipulate databases. Students will work with both rational (SQL) & non-rational databases

DSO109 Programming Foundations
Learn common programming concepts in Python such as lists, loops, dictionaries, & functions

DSO110 Group Project
Solve your own real-world problem using the data analysis techniques of your choosing, then present in front of potential employers



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Code	Course Name	Badge Name	Badge Image	Hard Skill	Soft Skill
DSO101	Basic Statistics	Basic Statistics Skill Badge		Basics of data analysis & visualization	Attention to Detail
DSO102	Statistical Programming	Statistical Programming in R Skill Badge		Use R to manipulate, analyze, & visualize data	Creativity
DSO103	Metrics and Data Processing	Metrics & Data Processing Skill Badge		Create new metrics for businesses & basics of Agile Project Management	Adaptability
DSO104	Data Wrangling and Visualization	Data Wrangling & Visualization Skill Badge		Data wrangling, data visualization, formatting raw data	Attention to Detail
DSO105	Intermediate Statistics	Intermediate Statistics Skill Badge		Advanced statistical data analysis	Problem-Solving
DSO106	Machine Learning and Modeling	Machine Learning & Modeling Skill Badge		Supervised & unsupervised machine learning & modeling techniques	Organization
DSO107	Introduction to Big Data	Introduction to Big Data Skill Badge		MapReduce & learn Amazon Web Services to use Spark	Interpersonal Skills
DSO108	Databases	SQL & NoSQL Skill Badge		Design, store, & manipulate databases: SQL and non-rational databases	Attention to Detail
DSO109	Programming Foundations	Programming Foundations in Python Skill Badge		Programming in Python	Creativity
DSO110	Group Project	Group Project Skill Badge		Hands-on application of skills	Teamwork

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The Computer Science Management program prepares students in foundational programming concepts, application development, and computer systems theory. Students study algorithms, operating systems, software engineering principles, data analysis, and ethical standards for computer professionals to support applied projects and analysis within computer systems and application development environments.



LEARN iT.

The Associate of Applied Science in Computer Science Management program is offered via distance education delivery. The AAS in Computer Science Management equips students with the required technical skills and introduces students to application development, theory, and design for computer systems. This program teaches students to develop algorithms using computational theory and the use of operating systems, compiler design, and software engineering with applied projects and analysis.

After completing this program, graduates will be able to:

- Create computer programs to access and analyze data.
- Demonstrate ethical standards for computer professionals.
- Use critical thinking and problem-solving skills to create computer programs.
- Demonstrate foundational and object-oriented programming skills.

Graduates may qualify for a variety of jobs, including:

- Front End Web Developer
- Back-End Web Developer
- Full Stack Developer
- Computer Support Specialist
- Computer Programmer
- Network and Computer Systems Administrator

Length of Program*

51 WEEKS

*With successful full-time enrollment. Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.

INTERNAL USE ONLY

Earn the following 19 Skill Badges conveying proficiency in your field:

Computer Fundamentals
HTML, CSS, & Javascript
Algorithm Design
Front End Web Development
Security Foundations
JAVA Programming
Databases
Data Analysis and Modeling
Back End Foundations
Cloud Application Deployment and Management
AI Solutions Implementation
Machine Learning & Modeling
Customer Service
Communication
English
Psychology
Biology
Algebra
Professionalism

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CSV103 Customer Service
The role of customer service is studied focusing on skills needed to work effectively with individuals or groups. Problem solving and critical thinking skills will be incorporated in exploring varying aspects of interaction with internal and external customers.

MAC103 Communication
Students will study communication skills utilizing informal writing techniques. Focus will be on the production of work product that demonstrates basic skills in communicating to individuals or groups. Software and/or online ancillaries will be incorporated to supplement project creation.

JOB103 Career Readiness
This course introduces the skills needed for career success. Students will have the opportunity to learn about setting personal and professional goals, job search techniques and portfolio development. A final resume, cover letter and mock interviews are key aspects of this course. Students may also learn about different career paths.

CIS196 Computer Fundamentals
Students will explore the practical application of computer technology and internet resources within the context of business operations. Topics covered include computer terminology, hardware components, software applications, information management, cybersecurity, and digital communication strategies.

CIS198 Coding Fundamentals
This course covers the fundamental concepts of coding and how to use HTML, CSS, and JavaScript to design and create visually appealing, user-friendly websites.

CIS200 Introduction to Computer Science
This course provides the foundation for the discipline of computing and a program of study in computer science, including the role of the professional. Topics include algorithm design, data abstraction, searching and sorting algorithms, and procedural programming techniques. Upon completion, students should be able to solve problems, develop algorithms, specify data types, perform sorts and searches, and use an operating system.

CIS202 Computer Programming – Front End
This course covers several libraries for front-end web development, including jQuery, Angular.js, bootstrap, and material.

CIS204 Security
This course introduces students to basic security concepts, threat actors and attributes, organizational security, policy, procedures and frameworks, security controls business impact analysis, risk management, incident response and disaster recovery.

CIS206 JAVA Programming
This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, and debug JAVA language programs.

CIS208 Database Fundamentals
This course is an introduction to working with and designing databases. Students will develop a foundational knowledge of database concepts, theory, and an overview of the various implementations and architectures. Students will work with both relational (aka SQL) and non-relational (aka document) databases.

CIS210 Data Analytics
This course examines how to collect, clean, analyze, and visualize data to derive meaningful insights. Students will work with statistical analysis, data visualization, and predictive modeling.

CIS212 Computer Programming – Back End
This course is an introduction to creating server-side web applications and services. Students will learn how to create server-side APIs and render websites. Language-specific concepts will be covered, outlining the nuances associated with the elective framework.

CIS214 Cloud Computing
This course covers the use of cloud-based services for hosting, cloud architecture, how to deploy applications, and how to use cloudbased storage and databases. This course also covers how to provide scalable solutions in the rapidly changing IT industry.

CIS216 Artificial Intelligence
This course examines important programming concepts that enable the use of AI in computer science and society at large, implications of AI on society, fundamental concepts such as search and knowledge representation, as well as applied work in areas such as planning and vision. This course also examines the various ways AI can be used to optimize and predict information.

CIS218 Machine Learning
This course covers the exploration of algorithms and statistical models that allow computers to learn from data without explicit programming. This course also covers the creation and deployment of machine learning models for automation, prediction, and pattern recognition. Students will learn how to determine the best methods for a given set of data, and how to use common software tools to utilize these methods.

GEN101 English
A course to strengthen writing skills by emphasizing the development and the improvement of the writing process: prewriting, thesis development, organization, and revision. Library and electronic resources and their documentation are introduced. This course will utilize both in class and out of class learning activities to achieve course objectives

GEN103 Introduction to Psychology
This course examines the scientific study of human behavior. Emphasis is on the historical standpoint, theoretical concepts, and empirical research that are used to describe and understand behavior from biological, cognitive, affective, and social perspectives.

GEN105 Introduction to Biology
This course involves the study of living systems from the molecular and cellular basis of biology through the structure and function of the whole organism, including physiology, heredity, development, and evolution. Topics include surveys ranging from unicellular specimens to mammalian species.

GEN108 Algebra I
This course examines real numbers, variables, linear equations and inequalities, exponents, polynomials, order of operations, and word problems. Focus of these topics is the development of problem-solving skills and critical thinking.

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Code	Course Name	Badge Name	Badge Image	Digital Badge Image	Hard Skill	Soft Skill
CIS196	Computer Fundamentals	Computer Fundamentals Skill Badge			IT Fundamentals	Communication
CIS198	Coding Fundamentals	HTML, CSS, & Javascript Skill Badge			HTML, CSS, & Javascript & progress with GIT	Communication
CIS200	Introduction to Computer Science	Algorithm Design Skill Badge			Algorithm Design and Implementation.	Problem-Solving
CIS202	Computer Programming-Front End	Front End Web Development Skill Badge			Front-End Web Development with JavaScript Frameworks/Libraries	User-Centric Thinking
CIS204	Security	Security Foundations Skill Badge			Security threats, policy, and procedures; Risk Management	Communication
CIS206	JAVA Programming	JAVA Programming Skill Badge			JAVA Programming	Adaptability
CIS208	Database Fundamentals	Databases Skill Badge			Design, store, & manipulate databases: SQL and non-rational databases	Attention to Detail
CIS210	Data Analytics	Data Analysis and Modeling Skill Badge				Critical Thinking
CIS212	Computer Programming-Back End	Back End Foundations Skill Badge			Server-Side Web Application Development	Systematic Thinking
CIS214	Cloud Computing	Cloud Application Deployment and Management Skill Badge			Cloud Application Deployment and Management.	Problem-solving
CIS216	Artificial Intelligence	AI Solutions Implementation Skill Badge			AI Solutions Implementation	Ethical Reasoning & Awareness
CIS218	Machine Learning	Machine Learning & Modeling Skill Badge			Machine Learning Model Development and Deployment	Analytical Thinking
CSV103	Customer Service	Customer Service Skill Badge			Customer Service; Conflict Resolution	Attitude, Image, Reliability

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Code	Course Name	Badge Name	Badge Image	Digital Badge Image	Hard Skill	Soft Skill
MAC103	Communication	Communication Skill Badge			Individual & Group Communication Skills	Communication
GEN101	English	English Skill Badge			Research, writing skills & the four parts of writing	Communication
GEN103	Introduction to Psychology	Psychology Skill Badge			Understanding of Self and Interactions with Others	Empathy
GEN105	Introduction to Biology	Biology Skill Badge			Basic understanding of living things	Attention to Detail
GEN108	Algebra I	Algebra Skill Badge			Algebraic Equation Solving and Manipulation	Attention to Detail
JOB103	Career Readiness	Professionalism Skill Badge			Career Preparation	Feedback Response, Work Ethic

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The UI/UX Designer program prepares students in the user interface and user experience development process for digital products. Students study user research, information architecture, sitemaps, wire frames, design conventions, and foundational HTML, CSS, and JavaScript concepts. Graduates will use these skills to support the creation of effective screen-based experiences for websites and applications, support data analysis and decision-making across business and organizational environments.



LEARN iT.

The UI/UX Designer program offers a design-focused, practical introduction to user interface and user experience. Students learn the full UI/UX process—from ideation and strategy to wireframes and sitemaps—using industry best practices. The course also introduces coding basics and web development foundations to support screen-based design for websites and apps.

Students completing this course will be skilled in the following areas:

- Outline and demo all UI/UX design stages
- Conduct user research and define strategy
- Create sitemaps, wireframes, and architecture
- Explore basic HTML, CSS, JavaScript, and backend
- Apply UX best practices to web and app designs

After completing the course graduates may find entry-level employment as a:

- UX Research Assistant
- Web Designer
- UI Designer
- Product Designer (Entry-Level)
- Interactive Designer

Length of Program*

33 WEEKS

*With successful full-time enrollment. Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.

Earn the following 9 Skill Badges conveying proficiency in your field:

Goal Setting · User Analysis · User Research · Information Architecture · HTML, CSS, & Javascript · Front-End Web Development · UI/UX Design and Prototyping · UI/UX Designer · Design Communication

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UIUX100 Design Thinking and Structures
Basics of design principles, user empathy, and testing product hypotheses. Basics of design principles, user empathy, and testing product hypotheses. A foundational class that covers the design thinking process, user-centric design, product design roles, and design thinking workshops.

UIUX101 Research Methods
Overview of user research methods including quantitative, qualitative, and competitive analysis. To teach students the foundation of research from an analytical basis or quantitative and qualitative analysis as well as comparing data as it reacts competitively with outcomes. A student must understand what research is presenting and make choices for the user based on results from a user experience.

UIUX102 Research Demonstration
Concepts of empathy maps, user personals, journey maps, and data analysis. Students have the opportunity to learn how to use empathy maps through the emotional state of the user through each experience. They will understand that identifying the user and target the persona according to the insight collected. How a student reviews and collects information Journey maps/User flows will create acumen for what the experience will be for the user.

UIUX103 Ideation and Strategy
Discovery and development of ideation techniques, user stories, sitemaps, card sorting, and brand strategy. To teach students how to use ideation techniques to create a clear message within the user experience and uncover user stories and map out sitemaps. Students will use card sorting to identify information architecture to use to build the design of the website and develop the brand strategy.

UIUX104 Coding Structures
Basics of HTML, CSS, JavaScript, and Git Source Control. Students have the opportunity to learn one of the four coding languages of their choosing: JavaScript, C#, interacting with the DOM, retrieving data from remote sources, and more advanced layout techniques.

UIUX105 Frontend Theories and Practice
Advanced concepts of HTML, CSS, and JavaScript. Students have the opportunity to learn one of the four coding languages of their choosing: JavaScript, C#, interacting with the DOM, retrieving data from remote sources, and more advanced layout techniques.

UIUX106 Interaction Design and Prototyping
Lab environment where students develop skills using design tools, sketching screens, wireframes, grid layouts, UI patterns, and libraries. Key concepts of rapid prototyping, creating a prototype with a tool like Sketch, Figma, or Adobe XD. Students will show how their designs are actualized, first as sketches and then through wireframing. Students also are introduced to several design tools, including Figma and Adobe XD, to learn how to conduct a guerilla usability test to validate sketches and learn how to apply interaction design principles. Students will also explore the world of user interface design in order to make their designs more accessible and engaging.

UIUX107 Capstone Design
Presentation of individual and client projects upon graduation. Students spend weeks identifying a client and a problem that shows off what the journey the student has gone through in previous courses. The student will solve the problem and create a user experience that is within the Client's brand guide and brand structure.

UIUX108 Presentations, Pitches, and Proposals
Building case studies, design presentations, processes, and client projects. Develop a portfolio platform, personal brand, resumes, and social media content for hiring and the digital marketplace. Building case studies, design presentations, processes, and client projects. Develop a portfolio platform, personal brand, resumes, and social media content for hiring and the digital marketplace.

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Program Mapping | UI/UX Designer

Course Code	Course Name	Badge Name	Badge Image	Hard Skill	Soft Skill
UIUX100	Design Thinking and Structures	Goal Setting Skill Badge		Strategic planning, goal alignment, and performance management.	Creativity
UIUX101	Research Methods	User Analysis Skill Badge		Understanding and analyzing users within a given problem space.	Problem Solving
UIUX102	Research Demonstration	User Research Skill Badge		Empathy maps, personas, and journey maps are all core tools and outputs of user research; data and analytics are crucial for both informing and validating user research insights.	User Empathy
UIUX103	Ideation and Strategy	Information Architecture Skill Badge		Structuring content, defining navigation, and mapping user journeys within a digital product or experience.	Attention to Detail
UIUX104	Coding Structures	HTML, CSS, & Javascript Skill Badge		HTML, CSS, & Javascript & progress with GIT	Adaptability
UIUX105	Frontend Theories and Practice	Front-End Web Development Skill Badge		Web apps & code structure for large, client-side web projects	Attention to Detail
UIUX106	Interaction Design and Prototyping	UI/UX Design and Prototyping Skill Badge		Objectives comprehensively cover the practical, hands-on aspects of designing user interfaces and experiences.	User Empathy
UIUX107	Capstone Design	UI/UX Designer Skill Badge		Hands-on full lifecycle of a UI/UX design project.	Problem Solving
UIUX108	Presentations, Pitches, and Proposals	Design Communication Skill Badge		Articulating design problems and solutions effectively through case studies and narratives, presenting and pitching design propositions, and developing a professional portfolio and personal brand.	Public Speaking

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SOUTHERN CAREERS INSTITUTE
CYBER SECURITY

The Cyber Security program prepares students in security fundamentals, network defense, and investigating security incidents across organizational environments. Students study security procedures, identity and access management, cryptography concepts, system administration, logging and monitoring, web security, threats and vulnerabilities, and enterprise risk processes to support information security operations.



LEARN iT.

Our Cyber Security students have the opportunity to train on:

- Security Basics
- Networks Basics and Defense
- Identity and Access
- Cryptography Concepts
- System Administration
- Logging and Monitoring
- Programming
- Web Security
- Project Management
- Threats and Vulnerabilities

Cyber Security graduates may pursue careers as a:

- Cyber Security Specialist
- Computer Network Architect
- Cryptographer
- Forensic Computer Analyst
- Information Security Analyst
- Penetration Tester
- Security Architect
- Security Management Specialist
- Security Systems Administrator

Length of Program*

33 WEEKS

ONLINE

*With successful full-time enrollment. Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.

Earn the following 10 Skill Badges conveying proficiency in your field:

Security Foundations | Networking Foundations | System Administration | Network Defense | Crypto Access

Logging | Programming Foundations | WebApp Security | Threats | Group Project

Discover more information about this program in the Southern Careers Institute School Catalog at SCItexas.edu

LEARN iT. DO iT. LIVE iT.

LEARN iT.

CSO100	**Security Foundations** Get the fundamentals of security concepts including threats, policy & procedures, risk management, & disaster recovery
CSO101	**Networking Foundations** Learn technical skills required in network administration & support as well as what is needed to excel in the network certification exam
CSO102	**System Administration** Learn to install & configure network components to support organizational security
CSO103	**Network Defense** Learn to use the most current tools to assess the security posture of an organization & understand the impacts of various vulnerabilities
CSO104	**Cryptography and Access Management** Learn cryptography algorithms used for safe transmission & storage of sensitive data. Get best practices on access and account management
CSO105	**Logging and Monitoring** Analyze & interpret security logs on Intrusion Detection & Prevention Systems, as well as get an intro to basic forensics
CSO106	**Programming Foundations** Become familiar with programming concepts including code organization, decision-making, handling errors, & debugging applications
CSO107	**Web Application Security and Project Management** Learn the key concepts of Web security including the mindset, discipline, & methods for securing a software project
CSO108	**Threats and Vulnerabilities** Become an expert in the vulnerabilities faced by every technology user & organization including hardware, software, & various 'Threat actors'
CSO110	**Group Project** Play the role of both defender and attacker in a network while using the skills acquired over the course of the program

Included National Certifications*

Taken through a third party provider

CompTIA: Security+ Certification

*Exam fee included in tuition and will be paid if taken within three months of program completion.

SPEAK WITH AN ADMISSIONS ADVISOR TODAY! 1.833.SCI.TEXAS or visit SCItexas.edu

Austin Main Campus
1701 W. Ben White Blvd., Ste. 100
Austin, TX 78704

Brownsville Branch Campus
935 North Expressway
Brownsville, TX 78520

Corpus Christi Branch Campus
2422 Airline Rd.
Corpus Christi, TX 78414

Harlingen Branch Campus
1122 Morgan Blvd.
Harlingen, TX 78550

Pharr Branch Campus
1500 North Jackson Rd.
Pharr, TX 78577

San Antonio-North Branch Campus
6963 NW Loop 410
San Antonio, TX 78238

San Antonio-South Branch Campus
238 Southwest Military Dr. Ste. 101
San Antonio, TX 78221

Waco Branch Campus
3700 S IH 35, Ste. A
Waco, TX 76706

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Program Mapping | Cyber Security

Course Code	Course Name	Badge Name	Badge Image	Hard Skill	Soft Skill
CSO100	Security Foundations	Security Foundations Skill Badge		Security threats, policy, and procedures; Risk Management	Communication
CSO101	Networking Foundations	Networking Foundations Skill Badge		Network administration & support	Interpersonal Skills
CSO102	System Administration	System Administration Skill Badge		Network security installation and configuration	Adaptability
CSO103	Network Defense	Network Defense Skill Badge		Security posture and impacts of vulnerabilities	Time Management
CSO104	Cryptography and Access Management	Crypto Access Skill Badge		Cryptography algorithms for safe transmission & storage of sensitive data	Work Ethic
CSO105	Logging and Monitoring	Logging Skill Badge		Analyze & interpret security logs on Intrusion Detection & Prevention System	Organization, Time Management
CSO106	Programming Foundations	Program Foundations Skill Badge		Code organization, decision-making, handling errors, & debugging applications	Problem-Solving
CSO107	Web Application Security and Project Management	WebApp Security Skill Badge		Web security including discipline & methods for securing a software project	Attention to Detail
CSO108	Threats and Vulnerabilities	Threats Skill Badge		Expert in vulnerabilities including hardware, software, & various 'Threat actors'	Accuracy
CSO110	Group Project	Group Project Skill Badge		Hands-on application of skills	Teamwork

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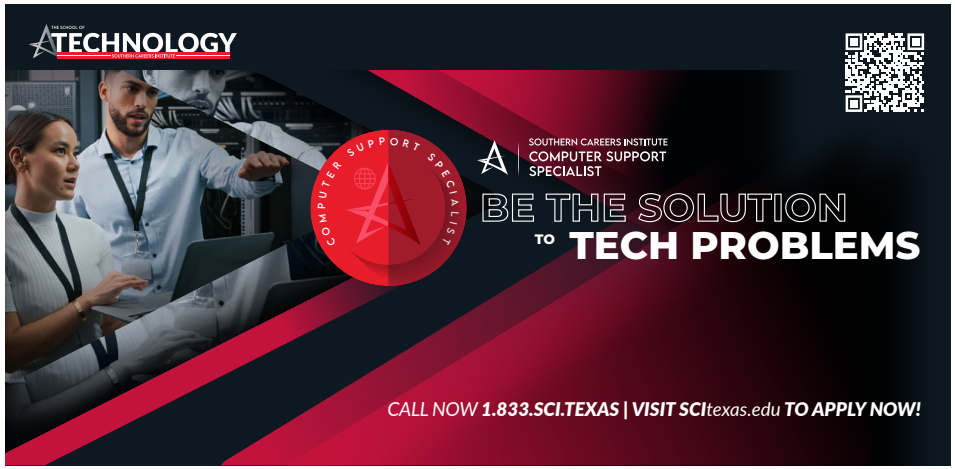
SOUTHERN CAREERS INSTITUTE
COMPUTER SUPPORT SPECIALIST

The Computer Support Specialist program prepares students in troubleshooting computer hardware and software, providing technical assistance, and supporting end users. Students study computer concepts, information systems, networking, operating systems, computer hardware, software applications, help desk concepts, and customer service principles to support technical support and IT service environments.



LEARN iT.

Our Computer Support Specialist students have the opportunity to train on:

- Computer equipment and simulated software to execute support tasks
- Software and hardware installation and set-up
- Technical support, and/or advice to computer users
- Computer diagnostics to investigate and resolve problems
- Installing and perform minor repairs to hardware, software, or peripheral equipment

Computer Support Specialist graduates may find entry-level employment as a:

- Help Desk Coordinator
- Help Desk Specialist
- PC Technician
- Desktop Support Technician
- Software Trainer
- Software Installer
- Computer Applications Specialist
- Computer Support Specialist

Length of Program*

27 WEEKS
DAY CLASSES + ONLINE

** With successful full-time enrollment, Online courses are asynchronous and attendance is quantified by achieving the defined activity benchmark.*

INTERNAL USE ONLY

Earn the following 9 Skill Badges conveying proficiency in your field:



LEARN iT.

CIS108	**Computing Essentials** Introduction to terminology, physical components of a computer system, application & system software, information sharing, security, & communication
CIS112	**Operating Systems** Examine file management, directory organization, system setup, software installation, & data security
CIS113	**Computer Hardware** Focus on computer hardware by exploring PC components, functionality, servicing microcomputer hardware, support peripherals, & computer construction
CIS121	**Networking** Examine the technical skills required in network administration & support by focusing on the knowledge & skills required to sit for network certification
CIS131	**Productivity Tools** Explore application software to perform tasks like entering commands, drafting documents, recording data, & communicating with others
CIS141	**Security** Gain a basic understanding of network security by exploring security concepts, risk identification, intrusion detection, implementation & maintenance of a secure network, & security policies
CIS161	**Help Desk** Practice the skills needed to support end user clients in local & remote help desk support
CIS191	**Certification Preparation I** IT examination preparation
CIS192	**IT Career Preparation** IT examination preparation, career preparedness, and the importance, maintenance, training, and continuing education of these certifications in the field.

Included National Certifications*
Taken through a third party provider

CompTIA: A+* | TestOut: Network Pro | TestOut: PC Pro | TestOut: IT Fundamentals Pro

Additional National Certifications**
Taken through a third party provider

CompTIA: IT Fundamentals

**Exam fee included in tuition and will be paid if taken within three months of program completion.*

***Additional Exam fees not included in tuition.*

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Waco Branch Campus
3700 S IH 35, Ste. A
Waco, TX 76706

Discover more information about this program in the Southern Careers Institute School Catalog at SCItexas.edu

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Computer Support Specialist

Course	Course Name	Badge Name	Badge Image	Digital Badge	Hard Skill	Soft Skills
CIS108	Computing Essentials	Computer Fundamentals Skill Badge			IT Fundamentals Cert	Communication
CIS112	Operating Systems	Operating Systems Skill Badge			CompTIA A+: Application and Networks	Adaptability
CIS113	Computer Hardware	Hardware Skill Badge			CompTIA A+ : Computer Hardware	Attention to Detail
CIS121	Networking	Networking Skill Badge			CompTIA Net+: Network Support & Administration	Adaptability
CIS131	Productivity Tools	Productivity Tools Skill Badge			PowerShell: Entering Commands, Drafting Documents, Recording Data	Application of Skills
CIS141	Security	Network Security Skill Badge			Network Security	Problem Solving
CIS161	Help Desk	Technical Support Skill Badge			Remote Desktop Support	Communication
CIS191	Certification Preparation I	Certification Prep Skill Badge			IT examination preparation	Attention to Detail, Time Management
CIS192	IT Career Preparation	Career Readiness Skill Badge			IT Career Preparation	Interpersonal Skills, Work Ethic

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THE SCHOOL OF TECHNOLOGY
SOUTHERN CAREERS INSTITUTE

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POP-UP BANNER

33” X 81”



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PRIMARY LOGO

TECHNOLOGY
SOUTHERN CAREERS INSTITUTE

1. SCI Star Logo Icon
2. Lemon Milk Font - Regular
3. SCI Name - Lemon Milk Font - Regular
4. Brand Red Banner Bar

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SOUTHERN CAREERS INSTITUTE
SOFTWARE DEVELOPER

SOUTHERN CAREERS INSTITUTE
CYBER SECURITY

SOUTHERN CAREERS INSTITUTE
DATA SCIENCE

SOUTHERN CAREERS INSTITUTE
UI|UX DESIGNER

SOUTHERN CAREERS INSTITUTE
COMPUTER SUPPORT SPECIALIST

INTERNAL USE ONLY

SOUTHERN CAREERS INSTITUTE
ASSOCIATE OF APPLIED SCIENCE IN
COMPUTER SCIENCE MANAGEMENT

HOODIE SWEATSHIRT

SCREEN PRINT

SOUTHERN CAREERS INSTITUTE
DATA SCIENCE

SOUTHERN CAREERS INSTITUTE
SOFTWARE DEVELOPER

SOUTHERN CAREERS INSTITUTE
COMPUTER SUPPORT SPECIALIST

SOUTHERN CAREERS INSTITUTE
ASSOCIATE OF APPLIED SCIENCE IN
COMPUTER SCIENCE MANAGEMENT

SOUTHERN CAREERS INSTITUTE
CYBER SECURITY

SOUTHERN CAREERS INSTITUTE
UI|UX DESIGNER

THE SCHOOL OF TECHNOLOGY



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DRIFIT SHORT SLEEVE WORK SHIRT

WHITE SCREENPRINT

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COTTON T-SHIRT PROGRAM NAME + SEAL



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MARKETING SEALS













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HOODIE
ALL BRANDING



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LANYARD
SCREEN PRINT



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ALUMINUM SUITCASE

BLACK SCREEN PRINT



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MUG
BLACK IMPRINT



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COLOR PALETTE

PRIMARY

#E81D2C	#A11C2D	#1B1E4D	#014599
RGB 232 / 29 / 44	RGB 161 / 28 / 45	RGB 27 / 30 / 77	RGB 1 / 69 / 53
CMYK 2 / 100 / 93 / 0	CMYK 24 / 100 / 86 / 20	CMYK 100 / 96 / 36 / 39	CMYK 100 / 83 / 7 / 1

SECONDARY

#101820	#A11C2D	#1B1E4D	#FFFFFF
RGB 16 / 24 / 32	RGB 84 / 86 / 91	RGB 177 / 177 / 177	RGB 255 / 255 / 255
CMYK 82 / 71 / 59 / 75	CMYK 66 / 57 / 51 / 29	CMYK 31 / 25 / 26 / 0	CMYK 0 / 0 / 0 / 0

FONTS

HEADLINE + SUB-HEADLINE FONT | LEMON MILK

LEMON MILK HEADLINE MEDIUM

LEMON MILK HEADLINE MEDIUM

ITALIC LEMON MILK TEXT MEDIUM

LEMON MILK TEXT MEDIUM

ITALIC LEMON MILK TEXT BOLD

LEMON MILK TEXT SEMIBOLD ITALIC

HEADLINE FONT | LEMON MILK BOLD

BE THE ULTIMATE CAREGIVER

URL | LATO BLACK + REGULAR

SCItexas**.edu**

LC-BLACK

REGULAR

UC-BLACK

INTERNAL USE ONLY

BODY COPY FONT | LATO REGULAR

Lato Nova Black

Lato Nova Black Italic

Lato Nova Regular

Lato Nova Italic

SUBHEAD FONT | LATO BLACK

Welcome to Southern Careers Institute.

OVERSIZED BODY COPY FONT | LATO MEDIUM

Lato Medium can be used on occasion for large running text. It is an unconventional move with more impact.

OVERSIZED BODY COPY FONT | LATO REGULAR

Lato Medium can be used on occasion for large running text. It is an unconventional move with more impact.

DO NOT INCLUDE WWW. | USE ALL CAPS FOR SCI. LOWERCASE FOR TEXAS.

This helps with reading and remembering the url.

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PHOTOGRAPHY PORTRAIT

Our brand photography should capture subjects who are in their element – using close-up portrait photography with natural lighting of students, faculty, and others, engaged in a moment or in self-reflection.

Vibrant: Subjects should appear inspired, excited, diverse and full of life.

Inclusive: Showcase moments of belonging and the diversity of our community.



INTERNAL USE ONLY





PHOTOGRAPHY IN ACTION

Photography should capture the spirit and activity of SCI. Highlight both individuals and groups engaged in quiet moments and loud action. Bright and clear photos.



INTERNAL USE ONLY





NOTE

This document is a guide for everyone who shares our message. By keeping our voice steady and true, we create a better experience for our students, faculty, staff, and communities across Texas — proudly carrying forward the SCI name as a symbol of opportunity, resilience, and success.

INTERNAL USE ONLY

BRAND ESSENTIALS

Download logos and essential marketing items at the **SCI Brand Library**

DISCLAIMER

This is a living document. Elements outlined within are subject to change.

THE SCHOOL OF TECHNOLOGY
SOUTHERN CAREERS INSTITUTE