

MARCRAFT

IT, CYBERSECURITY & MORE



**HANDS-ON TRAINING FOR
TOMORROW'S WORKFORCE!**



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*Due to upgrades, actual product may differ from what is shown.

OUR COMMITMENT TO QUALITY EDUCATION

Marcraft's mission is to develop products and curriculum of exceptional quality for use in effectively teaching and training individuals in careers such as Cybersecurity & IT, Green Technologies, Smart Homes, Connectivity and more. These programs are tailored toward today's high-demand skill sets. Marcraft stands above the rest as the premier technical training provider specializing in hands-on, real-world inspired labs and practicums. Marcraft's approach to these subjects focuses on providing a comprehensive and integrated program tailored toward achieving the skills, knowledge, and certification necessary to begin and/or advance the career of choice.



NEW ACCESSORY!

Mount any Marcraft panel on a rolling cabinet. See page 37 for details



Marcraft is a proud supporter, contributor and judge at the National SkillsUSA Competition! We chair the national Cybersecurity competition.



WHY CHOOSE MARCRAFT?

Marcraft has been providing technical training solutions for more than 40 years. Today, we focus on Cybersecurity & IT, Connectivity, and traditional Security System Installation training programs that excel in either a classroom or professional training environment. We engineer and design the training hardware, training software and courseware materials necessary for success in your school classroom, career/technical education facility, or professional training environments around the globe. Marcraft serves customers in all 50 states, the Canadian provinces and in more than 30 countries around the world.

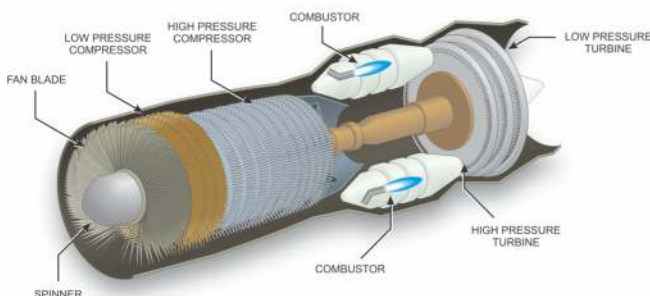
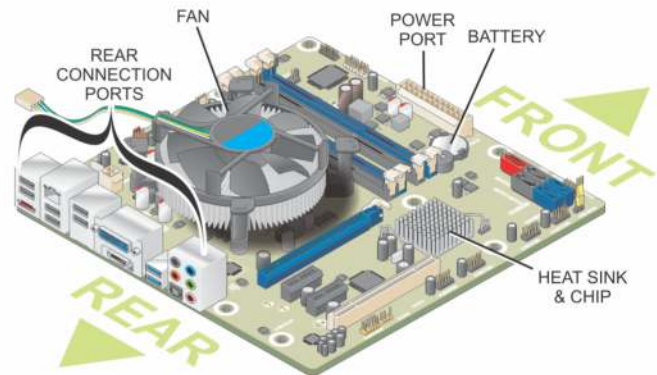


FOR THE STUDENT

Providing just a textbook or online learning to teach different skills is an incomplete approach. Learning should be both cognitive and physical. Our programs consist of instruction for both theory and hands-on procedures using real equipment and software students will encounter in the field. All books are fully illustrated and authored by experienced professionals in each discipline.

Nowhere else will students will receive this level experience and interaction in their chosen field.

- Hands-on, Industry-Inspired Lab Exercises
- Comprehensive and Illustrated Curriculum
- Test Prep for Industry Certification Exams
- Extensive Online Content
- Real-World Experience Used to Create Step-by-Step Paths to Certification



WHY CHOOSE MARCRAFT?

FOR THE INSTRUCTOR

Marcraft programs include everything an instructor needs to successfully prepare students for careers in their chosen skill. These all-inclusive programs are customizable to each different learning environment. Each program includes outstanding instructor support and training, industry standard hardware and our elite curriculum to ensure student success rates stay high.

All of Marcraft's turn-key programs come with access to an instructor specific Online Learning Management System (LMS) complete with the proper curriculum, test banks, PowerPoints and gradebook features needed to teach the material to each select group of students.

Instructors can use the materials provided to assist students with their industry certification test preparations. Utilizing the LMS portal, instructors have access to study guides, reference material and even test banks which can be used to create customized practice tests specific to your students' needs.

- On-Site Instructor Training
- Online Classroom Management (LMS)
- 1-800 Tech Support
- Industry Certification Test Prep
- Industry Standard Hardware



All courses come with PowerPoint presentations



Charles Brooks providing instructor training for the Cybersecurity Essentials Program at South Carolina State University

“Marcraft is a great company that has provided our students with skills in cyber defense that I feel are crucial for their success, internships, and jobs. Where else will you learn to hack a PLC? Where else do you learn to hack your own heart rate?”

GEORGE MEGHABGHAB
ROANE STATE COMMUNITY COLLEGE
OAK RIDGE, TENNESSEE



Instructors training for the Industrial Network Cybersecurity Certification Program
Whatcom College in Bellingham, Washington

WHY CHOOSE MARCRAFT?

FOR THE EMPLOYER

All Marcraft programs are created and built using industry standard hardware and software to ensure all hands-on activities match with real world expectations. This genuine training experience prepares students for potential career paths in their chosen skill by preparing them for both their industry standard certifications exams as well as their first day in the field. Desirable career certifications are at the heart of what

“CTE is an investment in the future of our economy, our workforce and our country.”

REPRESENTATIVE JAMES LANGEVIN

Marcraft represents. With leading experts from both the educational and industrial communities, we have created instructional materials and certification practice exams in an effort to exhaustively prepare students for their future. In pursuit of the desired certification, students will gain not only the knowledge of theory that they will need to succeed, but also all of the hands-on skills that employers demand.



“Students in postsecondary CTE programs are more likely to be employed within five years than those in an academic field of study.”

CTEworks



INDUSTRY CERTIFICATIONS

MARCAFT PROGRAMS PREPARE STUDENTS FOR THESE CERTIFICATIONS:



CYBERSECURITY & IT

1. CompTIA Tech+
Marcraft Course: Tech+ Certification Course
2. CompTIA A+ Certification
Marcraft Course: Maintaining and Repairing PC's
3. CompTIA Network+ Certification
Marcraft Course: Network+ Certification
4. AccessData Certified Examiner (ACE) Credential
Marcraft Course: Digital Forensics
5. ISACA Security Fundamentals Certificate
Marcraft Course: Cybersecurity Essentials
6. CompTIA Security+
Marcraft Course: Cybersecurity Essentials
7. Certified Pentester (CompTIA Pentest+)
Marcraft Course: Certified Pentester
8. ISC2 Certified Information Systems Security Practitioner (CISSP)
Marcraft Course: Advanced Enterprise Security
9. SANS Global Industrial Cyber Security Professional (GICSP)
Marcraft Course: Advanced Industrial Security



DRONES

1. Federal Aviation Administration (FAA) Part 107 (Remote Pilot) Certification
Marcraft Course: FAA Part 107 Certification Training Course
2. USI (Unmanned Safety Institute) Cybersecurity for Unmanned Aircraft Systems Certification
Marcraft Course: Cybersecurity for Drones (Uncrewed Aircraft)



SMART HOME

1. Electronic Technicians Association (ETA) Basic Smart Technology Systems (STS)
Marcraft Course: STS Basic Certification Program
2. Electronic Technicians Association (ETA) STS Audio-Video Endorsement
Marcraft Course: STS Audio-Video Endorsement
3. Electronic Technicians Association (ETA) STS Security-Surveillance Endorsement
Marcraft Course: STS Security-Surveillance Endorsement
4. Electronic Technicians Association (ETA) STS Computer Networking Endorsement
Marcraft Course: STS Basic Certification Program
5. Electronics Technicians Association (ETA) STS Environmental Controls Endorsement
Marcraft Course: STS Environmental Controls Endorsement



SPECIALTY PROGRAMS

1. Electronic Technicians Association (ETA) Certified Alarm Security Technician
Marcraft Course: Security & Surveillance Certification Program
2. Electronic Technicians Association (ETA) Fiber Optic Installer
Marcraft Course: Fiber Optic Installer Certification Program
3. Electronic Technicians Association (ETA) Data Cabling Installer
Marcraft Course: Low Voltage Wiring Certification Program

Please note, we provide programs that help prepare students for these certification examinations, not the certifications themselves.

WHY GET CERTIFIED?

THE ADVANTAGES OF INDUSTRY CERTIFICATION

#1 DEMONSTRATES PROFICIENCY

#2 LEADS TO MORE EMPLOYMENT OPPORTUNITIES

#3 INCREASES EARNING POTENTIAL

#4 OFFERS PROFESSIONAL DEVELOPMENT OPPORTUNITIES

#5 PROVIDES JOB SECURITY

#6 OFFERS PROFESSIONAL CREDIBILITY

#7 SHOWS COMMITMENT TO INDUSTRY

#8 KEEPS CURRENT WITH INDUSTRY CHANGES

#9 INCREASES EMPLOYEE VALUE

#10 EXPANDS PROFESSIONAL NETWORK

NOTE: Industry certifications have much more validity and value when they are created and accepted by potential employers as "industry-standard". For example, if you conduct an Internet search on Indeed.com or other job search web sites with the certification name (ie. CompTIA Security+, Cisco CCNA, or ASE), you will find employers specifically asking for them.

Other certifications or certificates, many times proprietary in nature ("for us by us"), have been created by testing companies or curriculum companies as a way to sell tests or books. These do not provide much benefit to the student in terms of their marketability to an employer.

BUNDLES

The Marcraft IT and cybersecurity programs are designed to be completely adaptable to a multitude of learning environments. Each individual program is stand-alone and comprehensive and includes student curriculum, instructor package, software, hardware and test prep (where applicable).

The programs can also work together in different bundles, depending on the goals, budget and designated contact hours of your institution. We have put together some bundle options to make it easier for you to determine what Marcraft offerings can work together to align with the objectives of your IT and cybersecurity programs.

Bundles are designed for optimal training effectivity for 24 students.

FOUNDATIONS OF CYBERSECURITY & IT READINESS BUNDLE MAR-BDL1

Just starting a program with students that have very little or no IT or cybersecurity proficiency? This is a great starting point!

Requires 12 PC Workstation Computers

INCLUDES:	
MC-1100	1 Tech+ Certification Course
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course

FAST TRACK CYBERSECURITY BUNDLE MAR-BDL2

Want to get your students quickly from foundation to proficiency in cybersecurity with a CompTIA Security+ Certification? This bundle is ideal.

Requires 14 PC Workstation Computers

INCLUDES:	
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course
CS-1000	1 Cybersecurity Essentials Course
MC-CAB	2 Rolling Cabinets

CYBERSECURITY OPERATIONS TRAINING BUNDLE MAR-BDL3

Do you want your students to be Cybersecurity Operations capable? This bundle includes IT fundamentals, networking, cybersecurity, and scripting to give them the important operations skills employers are looking for.

Requires 14 PC Workstation Computers

INCLUDES:	
MC-1100	1 Tech+ Certification Course
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course
MC-2600	11 The Complete Introductory Scripting for Cybersecurity Course
CS-1000	1 Cybersecurity Essentials Course
MC-CAB	2 Rolling Cabinets

COMPREHENSIVE IT & CYBERSECURITY SUITE MAR-BDL4

For institutions that want their students to have a broad knowledge in both IT and cybersecurity, this bundle works great! From foundation level to proficiency in computers, networking, scripting and cybersecurity with certifications in A+, Network+ and Security+.

Requires 14 PC Workstation Computers

INCLUDES:	
MC-1100	1 Tech+ Certification Course
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course
MC-2600	1 1 The Complete Introductory Scripting for Cybersecurity Course
MC-4002	1 Network+ Certification Programs
MC-9000	8 Maintaining & Repairing PCs Certification Programs
CS-1000	1 Cybersecurity Essentials Course
MC-CAB	2 Rolling Cabinets

COMPLETE IT & CYBERSECURITY SUITE BUNDLE MAR-BDL5

The ultimate industry certification bundle! Foundations of networking, cybersecurity and scripting combined with comprehensive hands-on training for the CompTIA A+, Network+, Security+ and Pentest+ certifications; along with the AccessData Certified Examiner certification; and the SANS Global Industrial Cybersecurity Professional (GICSP) certification. All in one bundle!

Requires 14 PC Workstation Computers

INCLUDES:	
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course
MC-2600	1 The Complete Introductory Scripting for Cybersecurity Course
MC-4002	1 Network+ Certification Programs
MC-9000	8 Maintaining & Repairing PCs Certification Programs
DF-1000	8 Digital Forensics Certification Programs
CS-1000	1 Cybersecurity Essentials Course
MC-CAB	2 Rolling Cabinets
CS-2000	1 Advanced Enterprise Cybersecurity Course
CS-3000	1 Industrial Networks Cybersecurity Course
CS-5000	1 Certified Pentester Course

CYBERSECURITY PROFESSIONAL READINESS BUNDLE MAR-BDL6

Want to impress cybersecurity employers? This is the bundle. Your students will gain extensive hands-on skills and be prepared to pass the CompTIA Security+, Pentest+ certifications along with the certification for the SANS Global Industrial Cybersecurity Professional (GICSP).

Requires 14 PC Workstation Computers

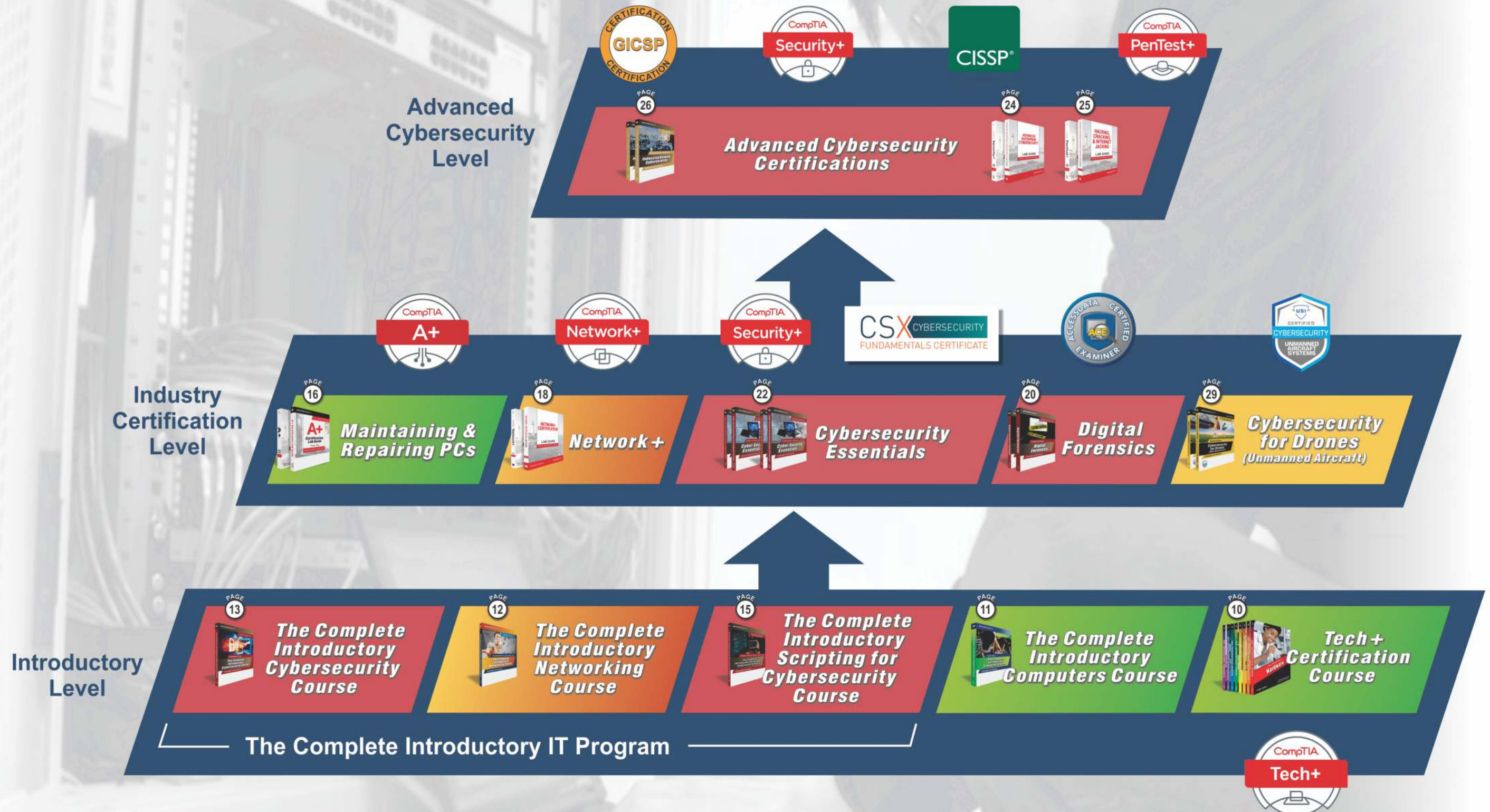
INCLUDES:	
MC-3500	1 The Complete Introductory Networking & Cybersecurity Combo Course
CS-1000	1 Cybersecurity Essentials Course
MC-CAB	2 Rolling Cabinets
CS-2000	1 Advanced Enterprise Cybersecurity Course
CS-3000	1 Industrial Networks Cybersecurity Course
CS-5000	1 Certified Pentester Course

NETWORK WIRING CERTIFICATION PREP BUNDLE MAR-BDL7

This bundle is designed for students who want to work in the low voltage wiring and fiber optic installer industries. With all the fiber being laid and data centers being installed across the US, students with these skills will be in high demand!

Ideal for 12 Students	
INCLUDES:	
DC-2000	2 Commercial Low-Voltage Wiring Certification Course
DC-6000	2 Fiber Optics Installer Certification Course
MC-CAB	4 Rolling Cabinets

IT & CYBERSECURITY PROGRESSION





TECH+ CERTIFICATION COURSE MC-1100

UPDATED!

The Tech+ Certification Course covers a wide range computer-related topics written for students with little to no computing experience. The program covers everything from building and operating to securing and troubleshooting a computer. This course prepares students for the Tech+ certification and exam offered by CompTIA.

CERTIFICATIONS



CompTIA Tech+ Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Motherboards
- CPUs
- RAM Memory Modules
- Hard Drives
- Optical Drives
- Video, Sound & Networking Cards
- Keyboards & Mice
- Wireless Home Routers
- Tablet Computers
- Faulty RAM, Cables, Expansion Cards & Other Components

The Marcraft Tech+ Certification Course covers these topics:

- Computer Components
- Building a PC
- Operating Systems
- BIOS & UEFI
- Operating the Windows OS
- Computer Security
- Types of Software
- Word Processors
- Spreadsheets
- Presentation Software
- Databases
- Computer Networking
- Networking Hardware & Protocols
- Network Security
- The Internet
- HTML, CSS & Website Design
- Troubleshooting
- AND MUCH MORE!**

Designed for 24 Students (Requires 12 PC Workstation Computers)



**Real-World
Hands-On Labs!**

INCLUDES:

MC-1100	Tech+ Certification Course Equipment
MC-110SET	1 Set of Tech+ Certification Course Text/Lab Guides (Set of 8 books)
MC-110IG	Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

MC-110SET	Additional Tech+ Certification Course Text/Lab Guides (Set of 8 books)
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THE COMPLETE INTRODUCTORY COMPUTERS COURSE

MC-2300

The Complete Introductory Computers Course has been designed to give students a hands-on exploration of computers, how they work, what they can do, and how to keep them running. The course removes the aura of mystery surrounding the personal computer, giving the knowledge and confidence needed to use and maintain a computer.

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Motherboards
- CPUs
- RAM Memory Modules
- Hard Drives
- Optical Drives
- Video, Sound & Networking Cards
- Keyboards & Mice
- Faulty RAM, Cables, Expansion Cards & Other Components

Marcraft's Complete Introductory Computers Program covers these topics:

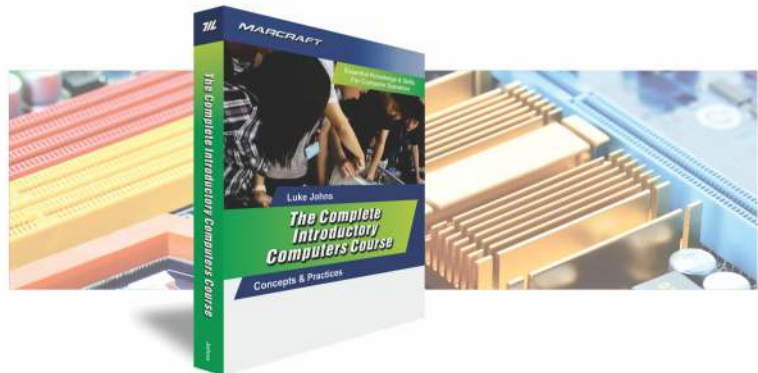
- Computer Components
- Building a PC
- Operating Systems
- BIOS & UEFI
- Operating the Windows OS
- Computer Security
- Types of Software
- Word Processors
- Spreadsheets
- Presentation Software
- Databases
- Troubleshooting
- AND MUCH MORE!**



Real-World Hands-On Labs!

INCLUDES:

MC-2300	Complete Introductory Computer Course with 1 Student Built PC • PC Tower with Motherboard, CPU, & Memory • Power Supply, Hard Drive, & Optical Drive • Video, Audio, & Networking Cards • Monitor, Keyboard, & Mouse
IC-520	Universal Fault Kit
MC-230	2 Complete Introductory Computers Course Text/Lab Guides
MC-230IG	Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

MC-230	Additional Complete Introductory Computers Course Text/Lab Guides
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THE COMPLETE INTRODUCTORY NETWORKING COURSE

MC-2400

The Complete Introductory Networking Course is a great introduction to the world of computer networking. This introductory course explains how computers exchange data and share resources, how communication protocols work, and the rules that govern computer networks worldwide.

UPDATED!

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- SOHO AP/Routers
- Cable Stripper & Crimpers
- Ethernet Connectors
- Network Interface Controllers
- Cable Testers

Marcraft's Complete Introductory Networking Course covers these topics:

- Interfaces
- Cabling
- Network Types
- Topologies
- Protocols
- Network Devices
- Cable Testers
- Network Administration
- Network Backup Strategies
- Troubleshooting
- AND MUCH MORE!**



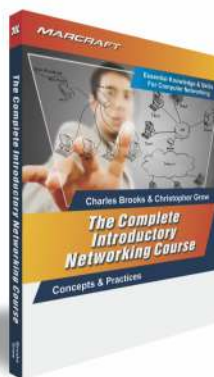
Real-World Hands-On Labs!



Designed for 24 Students Working in Pairs (Requires 12 PC Workstation Computers)

INCLUDES:

- | | |
|----------|---|
| MC-2400 | The Complete Introductory Networking Course Equipment Package |
| MC-240 | 12 Complete Introductory Networking Course Text/Lab Guides |
| MC-240IG | Instructor's Guide with Digital Media (1 Per Classroom) |



ACCESSORIES:

- | | |
|-----------|--|
| MC-240 | Additional Complete Introductory Networking Course Text/Lab Guides |
| MC-240EXT | 4 Additional Stations with 2 Additional Books |



THE COMPLETE INTRODUCTORY CYBERSECURITY COURSE

MC-2500

The Complete Introductory Cybersecurity Course presents the basic theories and best practices for securing computing devices and networks. Students will learn through the combination of Theory and Lab Practices about Security Layers, Operating System Security, Network Security, Security Software and Cybersecurity.

UPDATED!

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Wireless AP/Routers
- Managed Switches

Marcraft's Complete Introductory Cybersecurity Course covers these topics:

- Access Control
- Attack Surfaces
- Social Engineering Threats
- Physical Security
- Computer Security
- OS Security
- Authentication
- Encryption
- Protocol Security
- Client, Server & Email Security
- AND MUCH MORE!**



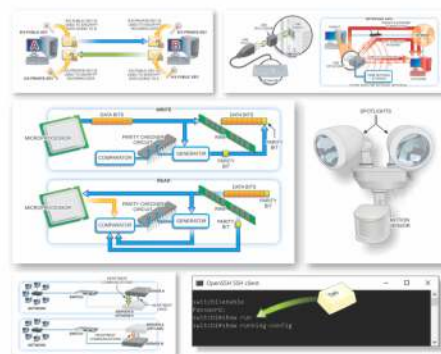
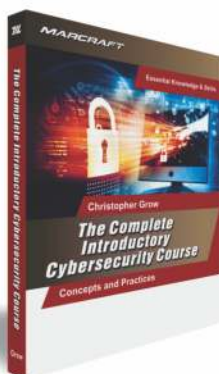
INCLUDES A MALICIOUS PI TO DEFEND AGAINST

Real-World Hands-On Labs!

Designed for 24 Students Working in Pairs (Requires 12 PC Workstation Computers)

INCLUDES:

- MC-2500 The Complete Introductory Cybersecurity Equipment Package
- MC-250 12 Complete Introductory Cybersecurity Course Text/Lab Guides
- MC-250IG Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

- MC-250 Additional Complete Introductory Cybersecurity Course Text/Lab Guides
- MC-250EXT 4 Additional Stations with 2 Additional Books



THE COMPLETE INTRODUCTORY NETWORKING & CYBERSECURITY COMBO MC-3500COM

UPDATED!

Combines both the Introduction to Networking Course and Introduction to Cybersecurity Course into one package.

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Wireless AP/Routers
- Cable Stripper & Crimpers
- Ethernet Connectors
- Network Interface Controllers
- Cable Testers
- Managed Switches

Marcraft's Complete Introductory Networking Course covers these topics:

- Interfaces
- Cabling
- Network Types
- Topologies
- Protocols
- Network Devices
- Cable Testers
- Network Administration
- Network Backup Strategies
- Troubleshooting

AND MUCH MORE!

Marcraft's Complete Introductory Cybersecurity Course covers these topics:

- Access Control
- Attack Surfaces
- Social Engineering Threats
- Physical Security
- Computer Security
- OS Security
- Authentication
- Encryption
- Protocol Security
- Client, Server & Email Security

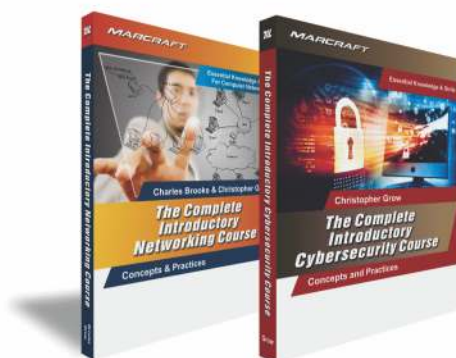
AND MUCH MORE!

Designed for 24 Students Working in Pairs
(Requires 12 PC Workstation Computers)



INCLUDES:

MC-3500	The Complete Introductory Networking & Cybersecurity Course Equipment Package
MC-240	12 Complete Introductory Networking Course Text/Lab Guides
MC-240IG	Instructor's Guide with Digital Media (1 Per Classroom)
MC-250	12 Complete Introductory Cybersecurity Course Text/Lab Guides
MC-250IG	Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

MC-240	Additional Complete Introductory Networking Course Text/Lab Guides
MC-250	Additional Complete Introductory Cybersecurity Course Text/Lab Guides
MC-350EXT	4 Additional Stations with 2 Additional Book Sets



THE COMPLETE INTRODUCTORY SCRIPTING FOR CYBERSECURITY COURSE

MC-2600

Coding is a key component of cybersecurity. It is important that cybersecurity personnel across various roles understand programming tools so that they can decipher the overall strategies, tactics and goals of attackers. In addition, they often use scripting languages to create programs that will carry out specific or repetitive cyber operations. Four of the most widely used scripting languages include – Python, Powershell, Bash and Ruby.

Some common cybersecurity roles that rely heavily on coding include: Penetration testers, Incident responders, and Cyber System Analysts.

This course introduces the student to these scripting languages and leads them to develop applications to perform cybersecurity-related activities.

Not Just a Simulation! Hands-on Labs Use the Following Scripting Languages:

- Python
- Ruby
- PowerShell
- Bash

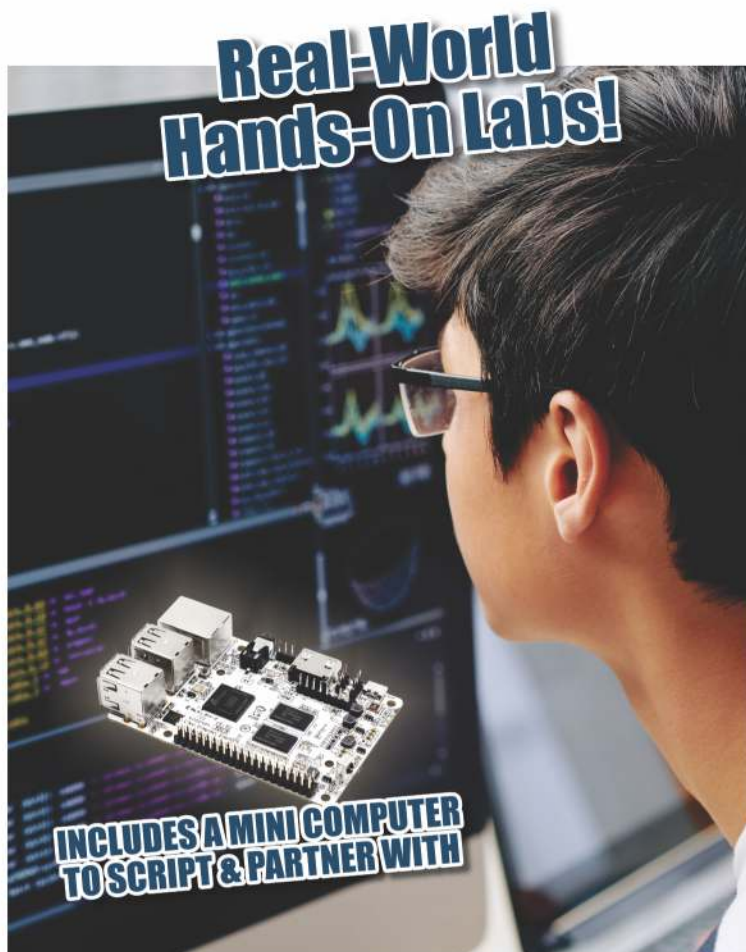
Students will use the provided Single-Board Computer (SBC) as an endpoint to test and use networking scripts. The board will be directly networked to the student laptop, so students can write scripts that craft and send packets to the board while monitoring the network traffic to confirm that the scripts work as intended.

Marcraft's Complete Introductory Scripting for Cybersecurity Course covers these topics:

- Differences Between Structured Programming and Coding (using Scripting Languages)
- Basic Commands of Ruby, Python, Bash, and PowerShell
- Command Line Structures for Each Language
- Applications to Automating Cybersecurity-Related Operations

AND MUCH MORE!

Designed for 24 Students Working in Pairs
(Requires 12 PC Workstation Computers)



INCLUDES:

MC-2600	The Complete Introductory Scripting for Cybersecurity Package
MC-260	12 Complete Introductory Scripting for Cybersecurity Text/Lab Guides
MC-260IG	Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

MC-260	Additional Complete Introductory Scripting for Cybersecurity Text/Lab Guides
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MAINTAINING AND REPAIRING PCS
CERTIFICATION PROGRAM
MC-9000

The Marcraft Maintaining and Repairing PCs program was designed specifically in support of the CompTIA A+ certification. Through an unmatched combination of world class text theory and hands-on lab exercises based around the industry standard hardware provided, students will learn and master skills in Operating Systems, Hardware, Networking, Security, Virtualization, Cloud Computing, Operational Procedures, Troubleshooting, and Mobile Devices.

CERTIFICATIONS



Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Motherboards & CPUs
- RAM Memory Modules
- Hard Drives
- Optical Drives
- Video, Sound & Networking Cards

The Marcraft A+ Certification Course covers these topics:

- Computer Hardware
- Networking Fundamentals
- Installing Wireless and SOHO Networks
- Security Concepts
- Securing Operating Systems
- Troubleshooting Network & Hardware Problems
- Windows 10 Operating System
- macOS & Linux Operating Systems
- Network Services
- Virtualization
- Cloud Computing
- AND MUCH MORE!



Real-World
Hands-On Labs!



INCLUDES:	
MC-9000	Maintaining & Repairing PCs Program with 1 Student-Built PC - PC Tower with Motherboard, CPU, & Memory - Power Supply, Hard Drive, & Optical Drive - Video, Audio, & Networking Cards - Monitor, Keyboard, & Mouse
IC-520	Universal Fault Kit
MC-900SET	2 3-Book Sets of the A+ Certification Textbooks and Lab Guide
MC-900IG	Instructor's Guide with Digital Media & Technician-Level Diagnostic Software (1 Per Classroom)

“The average U.S. technology professional salary climbed to \$112,521 in 2024 as demand for skilled IT talent continues to grow.”

DICE 2025 TECH SALARY REPORT

Includes a Fault Kit



CompTIA's A+ certification is widely recognized as the industry standard for any individual interested in pursuing a career in IT. A+ Certified professionals support today's core technologies from security to networking to virtualization and more. These individuals are trusted by employers around the world to identify the go-to person in end point management & technical support roles. In addition, A+ is the only industry-recognized credential with performance-based items to prove that certified professionals can think and perform critical IT support tasks in fast-paced environments. Employers also recognize the A+ certification as a mark of a committed and dedicated IT professional who is willing to invest time and effort into acquiring new skills and knowledge. Unquestionably, the certification can lead to higher salaries and career advancement opportunities for IT professionals.



ACCESSORIES:

MC-900SET Additional 3-Book Sets of the A+ Certification Textbooks and Lab Guide

NETWORK+ CERTIFICATION PROGRAM MC-4000, 4001, & 4002

The Marcraft Network+ program relies heavily on the Network+ Certification framework from CompTIA to ensure students are guaranteed a full-scale, comprehensive hands-on learning experience unlike any other available. Students can expect to study the configuration, management, and troubleshooting of common wired and wireless network devices. Additional focus is placed on critical security concepts, cloud computing practices, virtualization techniques, and network resiliency.

CERTIFICATIONS



CompTIA Network+ Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Servers, Enterprise Routers & Switches
- Patch Panels
- Wireless AP/Routers
- Ethernet Cable & Terminations
- Cable Strippers & Crimpers
- 110-Type & 66-Type Connection Blocks
- Punchdown Tools
- Cable Testers

The Marcraft Network+ Certification Course covers these topics:

- Design and implement functional network
 - Configure and manage essential network devices
 - Identify benefits and drawbacks of existing networks
 - Troubleshoot network problems
 - Support the creation of virtualized networks
 - Implement network security, standards, and protocols
 - Use switches and routers to segment network traffic and create resilient networks
 - Creating and managing virtual machines
 - Setting up VPN connections
- AND MUCH MORE!

Requires A Server Computer (Available Separately)
Contact us for minimum specifications

UPDATED!

Real-World
Hands-On Labs!



TAILORED TO YOUR CLASS SIZE!

6-STUDENT PACKAGE INCLUDES:

6 STUDENTS

- MC-4000 Network+ Equipment Package for 6 Students (Includes Switches, Router, Server, Firewall, and More)
- MC-400SET 3 Sets of the Network+ Textbook and Lab Guide
- MC-400IG Instructor's Guide with Digital Media (1 Per Classroom)

Requires 5 PC Workstation Computers for Students Working in Pairs

12-STUDENT PACKAGE INCLUDES:

12 STUDENTS

- MC-4001 Network+ Equipment Package for 12 Students (Includes Switches, Router, Server, Firewall, and More)
- MC-400SET 6 Sets of the Network+ Textbook and Lab Guide
- MC-400IG Instructor's Guide with Digital Media (1 Per Classroom)

Requires 8 PC Workstation Computers for Students Working in Pairs

24-STUDENT PACKAGE INCLUDES:

24 STUDENTS

- MC-4002 Network+ Equipment Package for 24 Students (Includes Switches, Router, Server, Firewall, and More)
- MC-400SET 12 Sets of the Network+ Textbook and Lab Guide
- MC-400IG Instructor's Guide with Digital Media (1 Per Classroom)

Requires 14 PC Workstation Computers for Students Working in Pairs

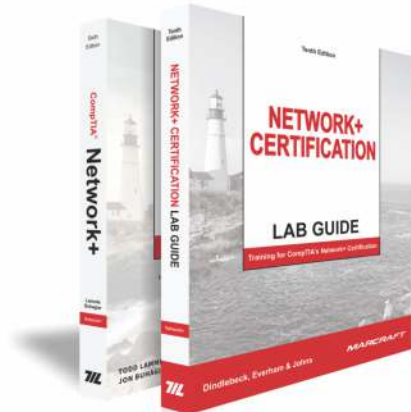
“The networking sector of IT has proven to be surprisingly resilient. While other hardware-dominated sectors have faltered, networking has held its own. It still boasts a sizable and dedicated community.”

DATAMATION.COM



Individuals who complete the Network+ program from Marcraft can prepare for a career in IT infrastructure where they can confidently handle the responsibilities of troubleshooting, configuring and managing networks.

Network+ certified individuals will be able to confidently describe the features and functions of networking components and install, configure and troubleshoot the basic networking hardware, protocols and services that business and organizations rely on everyday. Unlike other vendor-specific networking courses, the Network+ program from Marcraft prepares you to support the network regardless of the platform. It forms the foundation students need before choosing to specialize in a vendor solution. Lastly, certified professionals can demonstrate a proficient understanding of emerging technologies, including cloud and virtualization techniques and practices.



ACCESSORIES:

- MC-400SET Additional Sets of the Network+ Textb and Lab Guides
- MC-400EXT 2 Additional Stations with 2 Additional Sets of Books
- MC-400SC Server Computer

The Marcraft Digital Forensic equipment package includes a suspect computer and peripherals, which hold various types of evidence, a forensic notebook PC with various types of forensic software and a host of additional hardware tools for carrying out the investigation and documenting the evidence.

In the Marcraft Digital Forensics course, students will work through an actual criminal case by using forensics software and hardware tools to solve the crime. Working through 12 chapters, students will investigate a crime scene, bring the evidence back into their lab to find, extract and analyze the information while creating a “chain of custody” to ensure the findings are admissible in a court of law.



AccessData Certified Examiner Certification

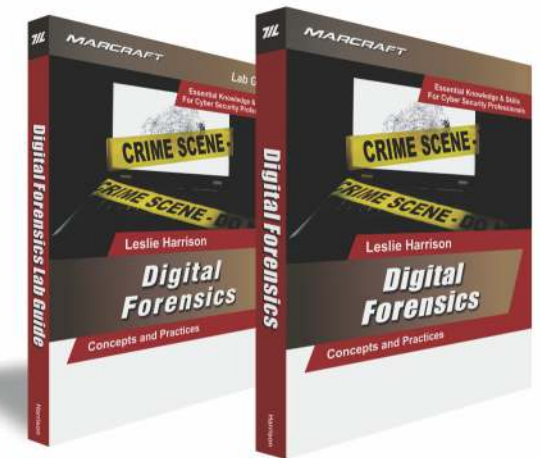
- Basics of Digital Forensics
- Investigative Procedures
- Data Storage
- Storage Media & Hardware Devices
- Forensics Tools
- Steganography & Multimedia Evidence
- Data Acquisition & Analysis
- Mobile Device Forensics
- Network Forensics
- Online Investigations & Email
- Preparing to Testify
- AND MUCH MORE!**

Real-World Hands-On Labs!



“The global digital forensics market is projected to reach approximately \$11.6 billion by 2032 as demand for cybercrime investigation and data security continues to grow.”

FORTUNE BUSINESS INSIGHTS



ACCESSORIES:

DF-100SET Additional Sets of Digital Forensics Text and Lab Guide

INCLUDES:

DF-1000	Digital Forensics Equipment Package (1 Station)
DF-100SET	2 Sets of Digital Forensics Textbook and Lab Guide
DF-100IG	Instructor's Guide Package with Digital Media & Forensic Write Blocker (1 Per Classroom)



CYBERSECURITY ESSENTIALS CS-1000

UPDATED!

Based on the National Institute of Standards (NIST) framework, Marcraft's capstone program covers all aspects contained within the Cybersecurity space. Beginning with Physical Asset Protection and finishing with Penetration Testing, this 8-station Cybersecurity Essentials program is a necessary stepping stone to any and all individuals interested in careers within the Cybersecurity ecosystem. Marcraft's hands-on approach is highlighted in the 8 stations that allow the concepts and practices presented in theory to be tested, analyzed and confirmed in real time, using industry-standard hardware and software.

CERTIFICATIONS

ISACA Cybersecurity Fundamentals Certificate Exam



CompTIA Security+ Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Security Controllers
- Security & Fire Sensors
- Surveillance Cameras & DVRs
- Servers, Switches, Routers & Firewalls
- IoT Devices
- PLC and SCADA
- Virtualization Systems
- Multiple Operating Systems

The Marcraft Cybersecurity Essentials Certification

Course covers these topics:

- Infrastructure Security
- Surveillance Systems
- Local Host Security
- Local Network Security
- Internet Security
- Enterprise Network Security
- Industrial Cybersecurity Systems
- Medical Network Security
- Penetration Testing
- AND MUCH MORE!**

Designed for 24 Students (Requires 14 PC Workstation Computers)

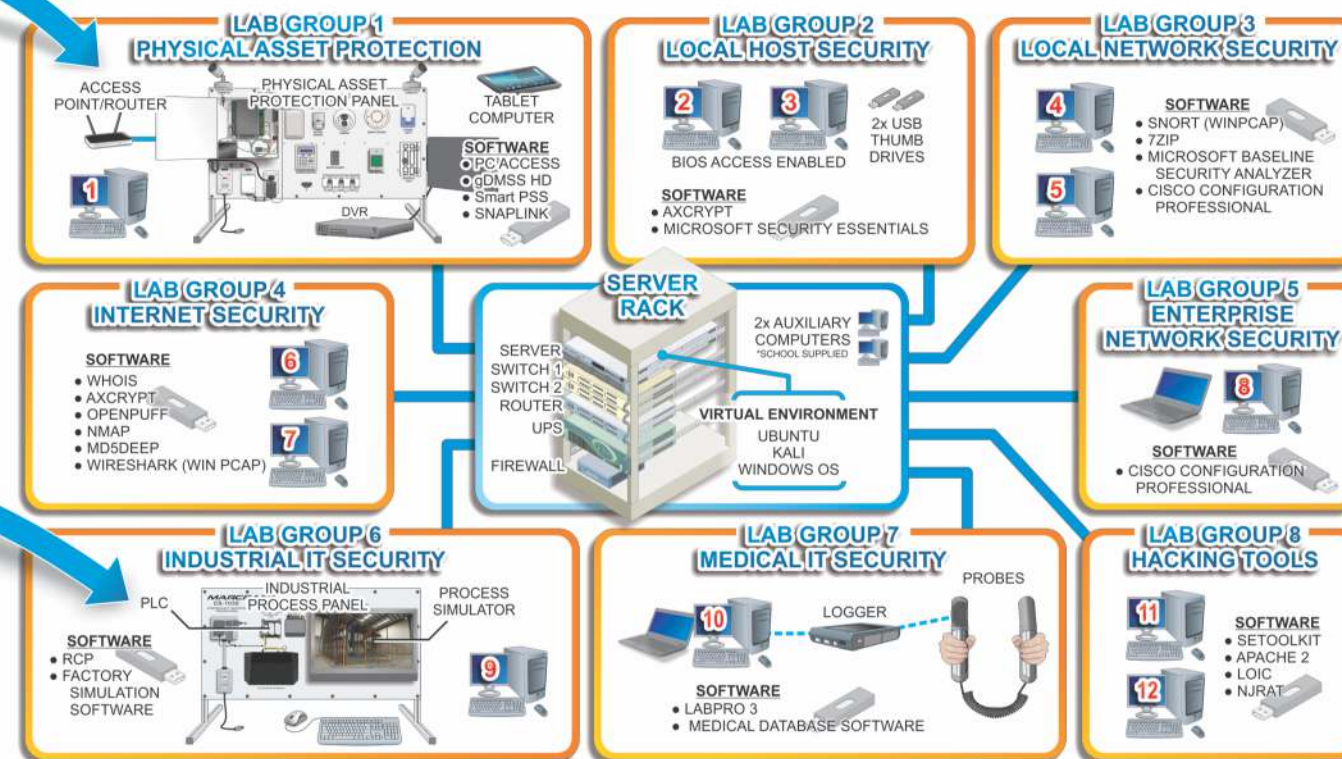


INCLUDES:

- CS-1010 Physical Asset Protection Panel
- CS-1020 Rack Mount Server Package
- CS-1030 Cybersecurity Industrial Process Panel
- CS-1040 Medical IT (IoT) Package
- CS-100SET 12 4-Book Sets of Cybersecurity Essentials Concepts and Practices Textbook & Lab Guide along with Cybersecurity Essentials Environments and Testing Textbook & Lab Guide
- CS-100IG 2-Book Instructor's Guide with Digital Media (1 Per Classroom)

"Cybersecurity continues to be one of the fastest-growing career fields in the country, with information security analyst jobs projected to grow 29% through 2034."

U.S. BUREAU OF LABOR STATISTICS

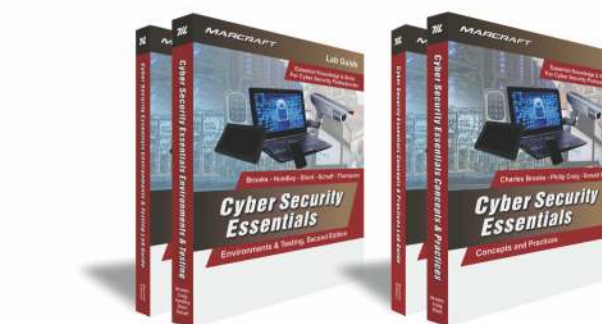


EXPANDABLE PACKAGE/ACCOMMODATES 24 STUDENTS

"The average cost of insider-related cyber incidents was \$7.68 million, and 60% of companies go out of business six months after a security breach."

ASHRAE JOURNAL NEWSLETTER,
SEPTEMBER 14, 2021

THE ADVANCED CYBERSECURITY COURSES CAN BE EASILY ADDED



ACCESSORIES:

- CS-100SET Additional 4-Book Sets of Cybersecurity Essentials Concepts and Practices Textbook & Lab Guide along with Cybersecurity Essentials Environments and Testing Textbook & Lab Guide
- MC-CAB Rolling Cabinets (2 Required)



ADVANCED CYBERSECURITY CERTIFICATIONS

For students who want to advance in an IT career, they need a solid understanding of computer and network security. Adding security certifications to their portfolio opens doors for employment opportunities and a higher salary. These days, even entry-level positions are requiring some cybersecurity background. Organizations are finding that putting more emphasis on security skills for IT professionals making them a worthwhile investment compared to the potential repercussions of a data breach.



ALSO AVAILABLE AS AN ADD-ON TO THE
CS-1000 CYBERSECURITY ESSENTIALS COURSE



ADVANCED ENTERPRISE CYBERSECURITY ADVANCED CYBERSECURITY CS-2000

The Advanced Enterprise Cybersecurity Course prepares students for network administration and security positions in small, medium and enterprise-sized networks.

Students will acquire the knowledge and skills required to install and configure systems to secure applications, networks, and devices. They will perform threat analysis and respond with appropriate risk mitigation techniques and activities.

In addition, they will work with network security policies, perform risk assessments, and examine incident response plans.

CERTIFICATIONS



CompTIA Security+ Certification



Certified Information Systems
Security Professional

INCLUDES:

- | | |
|-----------|--|
| CS-2000 | Enterprise Network Security Equipment Package |
| CS-200SET | 12 2-Book Sets of Security+ Textbook & Advanced Enterprise Cybersecurity Lab Guide |
| CS-200IG | Instructor's Guide with Digital Media (1 Per Classroom) |

Designed for 24 Students (Requires 12 PC Workstation Computers & Server, Server Available Separately-Contact us for minimum specifications)



ACCESSORIES:

- | | |
|-----------|--|
| CS-200SET | Additional 2-Book Sets of Security+ Textbook & Advanced Enterprise Cybersecurity Lab Guide |
| MC-400SC | Server Computer |



CERTIFIED PENTESTER ADVANCED CYBERSECURITY CS-5000

The Marcraft Certified Pentester Course provides students with the knowledge and skills required to perform remote and local reconnaissance operations that probe targeted networks for available attack surfaces. They will also be introduced to tools and techniques for creating exploits, delivering the exploit to the target from different locations (across the internet, from close proximity to the target, from inside the target, and inside the network) and establishing command and control after the initial exploit.

The students will be introduced to advanced hacking techniques and tools to build on their existing networking and security knowledge.

Penetration testing also requires a good understanding of the law to keep all activities legal and in accordance with any legally binding agreements.

CERTIFICATIONS



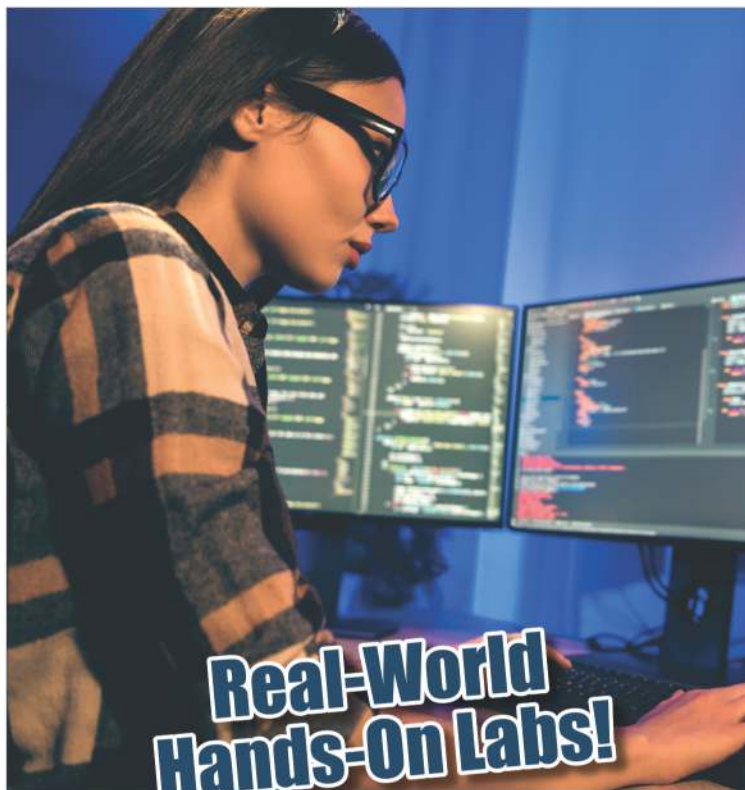
CompTIA PenTest+ Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- USB Rubber Ducky
- WiFi Pineapple
- WiFi Adapters with Promiscuous Mode
- WiFi Sniffer
- Bluetooth Sniffer
- Ethernet Tap

The Marcraft Certified Pentester Course covers these topics:

- Target Validation & Fingerprinting
- SQL Injection & Cross-Site Scripting
- Attacking the Edge & Web Servers
- Social Engineering
- Rogue Access Points & Evil Twins
- Rubber Ducky Attacks
- Network Mapping, Enumeration & Vulnerability Scanning
- Brute Force Attack & Password Cracking
- Man-in-the-Middle Attacks
- Installing Backdoors
- Session Hijacking
- Flood Attacks & Other Denial-of-Service Attacks
- AND MUCH MORE!**



INCLUDES:

CS-5000	Certified Pentester Equipment Package
CS-500SET	12 2-Book Sets of Pentest+ Textbook and Hacking, Cracking, & Internet Jacking Lab Guide
CS-500IG	Instructor's Guide with Digital Media (1 Per Classroom)

Designed for 24 Students (Requires 12 PC Workstation Computers & Server, Server Available Separately-Contact us for minimum specifications)



ACCESSORIES:

CS-500SET	Additional 2-Book Sets of Pentest+ Textbook and Hacking, Cracking, & Internet Jacking Lab Guide
MC-400SC	Server Computer

INDUSTRIAL NETWORKS CYBERSECURITY ADVANCED CYBERSECURITY CS-3000

The Industrial Control Systems (ICS) and Operational Technology (OT) network security environment is built on devices, protocols, connectivity specifications and requirements that do not exist in the SOHO or Enterprise network environments.

In the Marcraft Industrial Networks Cybersecurity Course students will be introduced to ICS embedded devices including PLCs, RTUs and IEDs. Students will also become acquainted with industrial network protocols including - Modbus, DNP3, BacNet, etc. Other key topics include ICS/Utility network communication methods and the real-time IAC tenets associated with these networks.

CERTIFICATIONS



SANS Institute GICSP Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- PLCs
- HMI & SCADA Systems
- Data Historians
- Pentesting Software
- Servers, Enterprise Routers, and Switches
- Firewall Appliances

The Marcraft Industrial Network Cybersecurity Certification Course covers these topics:

- Global Security Standards, Practices, & Regulations
- Open & Closed Loop Control Systems
- Dedicated & Distributed Control Systems
- Industrial Sensors
- Final Control Elements/Actuators
- Industrial Process Controllers
- Field Devices & Industrial Networks
- SCADA
- Common Industrial Network Structures
- Industrial Network Communication Media
- Asynchronous Serial Standards
- Remote Access Communication Media
- Industrial Network Protocols
- Utility Collection & Control Networks
- Customer Data Management Systems
- Industrial and Utility Network Security
- Boundary Protection
- Wide Area Network Security
- ICS Risk Assessments
- AND MUCH MORE!**

**Real-World
Hands-On Labs!**



Requires A Server Computer (Available Separately)
Contact us for minimum specifications

**ALSO AVAILABLE AS AN ADD-ON TO THE
CS-1000 CYBERSECURITY ESSENTIALS COURSE**



Manufacturing is #1 in Cyber Attacks for the Third Straight Year. What Can Be Done?

A 2024 IBM study found that 85% of incidents could have been mitigated with patching, multi-factor authentication or least-privilege principles.

LAB ACTIVITIES

Basic ICS Networking

- Introduction to PLCs, SCADA, and HMI Systems
- Stand-Alone and Multiple Zone PLC Control
- SCADA/HMI Systems
- Data Historian Servers

IT/OT Vulnerabilities

- Exploiting OT Network Vulnerabilities
- Physical MitM Attacks
- IT/OT Reconnaissance
- Exploiting IT/OT Network Vulnerabilities

Cyber Vulnerabilities

- Attacking the Front Door and an Outward-Facing Web Server
- Spear Phishing Attacks
- Installing a Reverse Shell and Exploiting Hashes
- Wireless Perimeter Attacks and WiFi Exploits

Defending the OT Network

- End Point Hardening and DoD Secure Host Compliance
- Network Switch Security
- IT/OT Network Segmentation, VLANs, and Security Routing
- Working with Firewalls and DMZs

Incident Response and Handling

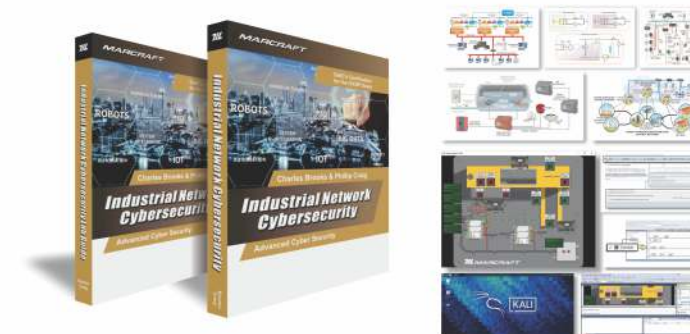
- Incident Response Handling
- Security Logging and Auditing
- Disaster Recovery (Backup and Restore)



INCLUDES:

CS-3000 Industrial & Utility Cybersecurity Trainer
CS-300SET 2 Sets of the Industrial Network Cybersecurity Textbook & Lab Guide
CS-300IG Instructors Guide with Digital Media (1 Per Classroom)

Requires 1 PC Workstation Computer & Server, Server Available Separately-Contact us for minimum specifications)



ACCESSORIES:

CS-300SET Additional Sets of the Industrial Network Cybersecurity Textbook & Lab Guide
MC-400SC Server Computer

"In today's interconnected world, ICS and Operational Technology (OT) cybersecurity has become a critical area of focus. As industries increasingly rely on digital systems to control physical processes, the need to secure these systems has never been more important. OT cybersecurity involves protecting critical infrastructure like power grids, manufacturing plants, and transportation systems from cyber threats. However, hiring skilled professionals in this niche field poses significant challenges. *OT cybersecurity isn't just about IT security; it requires a blend of engineering and security skills.* This specialized skill set makes these professionals unique and in high demand."

SURESH PATEL, A SENIOR CYBERSECURITY ANALYST IN INDUSTRIAL CYBERSECURITY

FAA PART 107 CERTIFICATION TRAINING COURSE UAS-6000

The Part 107 certification, also known as a Remote Pilot Certificate or drone license, is a certification issued by the Federal Aviation Administration (FAA) required for individuals to operate drones commercially in the US.

This course uses the Marcraft Drone Technology Essentials System, which features a tethered uncrewed aircraft, a computer-based ground control station and a hand-held flight controller. The UA can safely rise, descend, tilt and rotate on its tether in response to commands issued from the hand-held controller or the ground control station. In addition to the FAA 107 competencies, students will get hands-on experience learning flight controls and practice advanced motor skills for maneuvering drones. Students will fly through real-world missions and scenarios through multiple simulator environments custom prepared for this program.

CERTIFICATIONS:



FAA PART 107 CERTIFICATION

The hands-on Text & Lab Guide leads the students in authentic flight training and related tasks. Here they will encounter such activities as:

- Introduction to Unmanned Aerial Vehicles and Controls
- Navigating Different Classes of Airspace
- Reading Sectional Charts
- Examining & Evaluating the Weather
- NIST Bucket Challenge Flight Training
- AND MUCH MORE!**

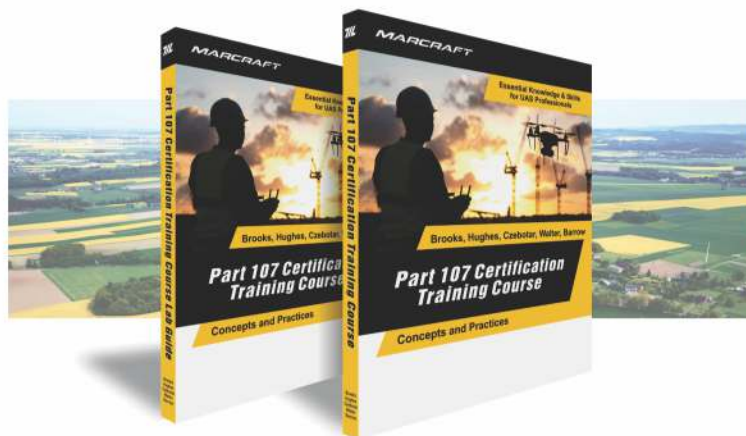
The Marcraft Drone Technology Essentials System is a modular system capable of supporting multiple Marcraft drone programs just by swapping the expansion boards.



Real-World Hands-On Labs!

INCLUDES:

UAS-6000	Part 107 Certification Panel & Gimbal Mounted Drone
UAS-60PC	Gaming-Quality Computer
UAS-60SIM	2 Simulator Seats (Includes Software & Flight Controller)
UAS-600SET	2 Sets of the Part 107 Certification Training Course Textbooks & Lab Guides
UAS-600IG	Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom)



ACCESSORIES:

UAS-60SIM	Additional Simulator Seats (Includes Software & Flight Controller)
UAS-65EXP	UAS-6500 Expansion Board & 2 Sets of Cybersecurity for Drones Textbooks & Lab Guides
UAS-600SET	Additional Sets of the Part 107 Certification Training Course Textbooks & Lab Guides
MC-CAB	Rolling Cabinet

CYBERSECURITY FOR DRONES (UNCREWED AIRCRAFT) PROGRAM UAS-6500

Prepare your students to challenge the USI Cybersecurity for Uncrewed Aircraft Systems (UAS) Certification. This course will teach students the general tenets and processes involved in cybersecurity and how they apply to UAS environments.

Students will study the NIST Cybersecurity Frameworks (CSF) and practice pentesting processes against both the uncrewed aircraft and its supporting infrastructure. Finally, they will implement defensive techniques and strategies to mitigate cyber attacks.

This course uses the Marcraft Drone Technology Essentials System, which features a tethered uncrewed aircraft, a computer-based ground control station and a hand-held flight controller. The UA can safely rise, descend, tilt and rotate on its tether in response to commands issued from the hand-held controller or the ground control station.

CERTIFICATIONS:



USI Cybersecurity for Unmanned Aircraft Systems
Certification

Not Just a Simulation! Hands-on Labs Perform the Following Activities:

- GPS Spoofing Attacks
- Control Signal Capture Attacks
- Aerial Surveillance and Monitoring
- Jamming and Spoofing Disruptions of Communications Systems
- Wireless Network Security Testing and Data Interception
- Penetration Testing Theory and Applications
- AND MUCH MORE!**

The Marcraft Cybersecurity for Drones (Uncrewed Aircraft) Course covers these topics:

- Uncrewed Aircraft Systems
- Cybersecurity Fundamentals
- Risk Management
- UAS Penetration Testing
- UAS Cyber Attacks
- UAS End Point Security
- UAS Data and Network Security
- Incident Response and Disaster Recovery
- AND MUCH MORE!**



INCLUDES:

UAS-6500	Cybersecurity for Drones Panel & Gimbal Mounted Drone
UAS-60PC	Gaming-Quality Computer
UAS-65SIM	Simulator Seat (Includes Software & Flight Controller)
UAS-650SET	2 Sets of the Cybersecurity for Drones Textbooks & Lab Guides
UAS-600IG	Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom)



ACCESSORIES:

UAS-65SIM	Additional Simulator Seats (Includes Software & Flight Controller)
UAS-60EXP	UAS-6000 Expansion Board & 2 Sets of FAA Part 107 Certification Course Text Books & Lab Guides
UAS-650SET	Additional Sets of Cybersecurity for Drones Textbooks & Lab Guides
MC-CAB	Rolling Cabinet



FIBER OPTICS INSTALLER CERTIFICATION COURSE DC-6000

The Complete Fiber Optic Installers Certification Course from Marcraft prepares technicians to answer the growing demand for qualified cable installers who can understand and implement fiber-optic technologies. The text/lab book covers the theory and hands-on skills needed to prepare students for fiber-optic entry-level certification.

CERTIFICATIONS:



ETA Fiber Optic Installer Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Wire Cutters & Strippers
- Fiber Optical Connectors & Plugs
- Fiber Optical Patch Panel
- Fiber Optical Splice Case
- Optical Time Domain Reflectometer
- Fusion Splicer

The Marcraft Fiber Optic Installers Certification Course covers these topics:

- Fiber Tools and Safety Considerations
- Basic Concepts of Fiber Optics
- Optic Fundamentals for Fiber Optics
- Optical Devices
- Fiber Connections
- Fiber Optics Network System
- Documentation and Troubleshooting
- Understanding Blueprints
- AND MUCH MORE!**



Real-World Hands-On Labs!



INCLUDES:

- | | |
|----------|---|
| DC-6000 | Fiber Cabling Lab Workstation |
| DC-600 | 2 Fiber Cabling Text/Lab Guides |
| DC-690 | Optical Time-Domain Reflectometer (OTDR) |
| DC-695 | Fusion Splicer |
| DC-60T | Fiber Cabling Tool Set |
| DC-60C | Fiber Cabling Consumable Supplies Set |
| DC-600IG | Instructor's Guide with Digital Media (1 Per Classroom) |



Fiber Cabling Workstation on a MC-CAB Rolling Cabinet

ACCESSORIES:

- | | |
|--------|--|
| DC-600 | Additional Fiber Cabling Text/Lab Guides |
| DC-60T | Fiber Cabling Tool Set |
| DC-60C | Fiber Cabling Consumable Supplies Set |
| MC-CAB | Rolling Cabinet |



COMMERCIAL LOW-VOLTAGE WIRING CERTIFICATION PROGRAM DC-2000

The Complete Data Cabling Installers Certification, from the Electronic Technician Association (ETA), provides the IT industry with a vendor-neutral introduction for skilled personnel installing low voltage cabling.

Marcraft provides students with the knowledge and skills required to pass the ETA Data Cabling Installer Certification (DCIC) exam and to become a certified cable installer. The DCIC is nationally recognized and commonly used by major communications companies as a hiring criterion.

CERTIFICATIONS:



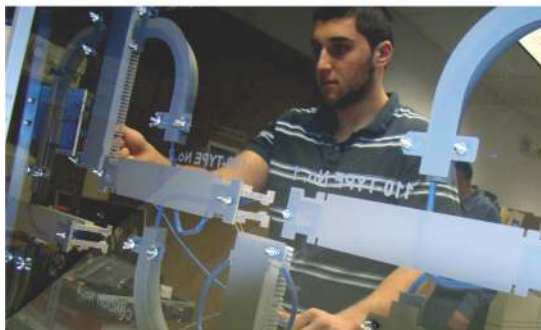
ETA Data Cabling Installer Certification

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Fish Tape
- Multimeters
- 110-Type & 66-Type Connection Blocks
- Punch-down Tools
- Cable Strippers & Crimpers
- Ethernet Plugs & Jacks
- Cable Testers

The Marcraft Commercial Low-Voltage Wiring Course covers these topics:

- Basic Standards and Practices
- Facilities Issues
- Cable Ratings and Performance
- Cable Installation and Management
- Testing And Troubleshooting
- Industry Standards
- Pulling Cable
- The Telephone System
- Understanding Blueprints
- AND MUCH MORE!**

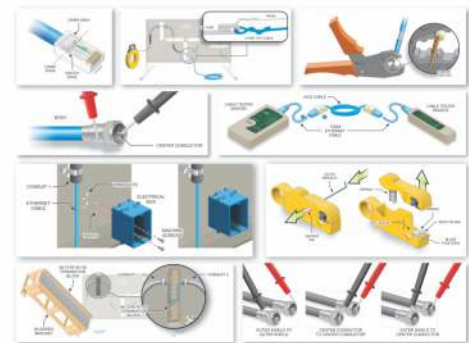
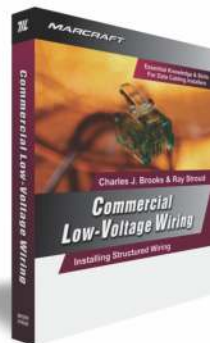


Real-World Hands-On Labs!



INCLUDES:

DC-2000	Low Voltage Wiring Lab Workstation
DC-200	2 Commercial Low-Voltage Wiring Text/Lab Guides with Blueprints
DC-20D	Low Voltage Wiring Durable Supplies Set
DC-20T	Low Voltage Wiring Tool Set
DC-20C	Low Voltage Wiring Consumable Supplies Set
DC-200IG	Instructor's Guide with Digital Media (1 Per Classroom)



ACCESSORIES:

DC-200	Additional Commercial Low Voltage Wiring Text/Lab Guides with Blueprints
DC-20D	Low Voltage Wiring Durable Supplies Set
DC-20T	Low Voltage Wiring Tool Set
DC-20C	Low Voltage Wiring Consumable Supplies Set
MC-CAB	Rolling Cabinet



SECURITY & SURVEILLANCE CERTIFICATION PROGRAM SS-2000

Alarm security technicians protect homes and businesses by installing, testing, and servicing security and surveillance systems. This type of job requires good knowledge of electrical principles. Marcraft provides a practical way to practice these skills with this certification course.

UPDATED!

CERTIFICATIONS:



ETA Certified Alarm Security Technician (CAST)

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Security Controllers
- Motion and Magnetic Switch Sensors
- Magnetic Door Locks
- Proximity Card Readers
- Push-to-Open Buttons
- Smoke Detectors and Fire Alarms
- Sirens & Strobes
- Security Controller Network Interfaces
- Relays
- Security Cameras
- Network DVRs
- Security Controller Software

The Marcraft Security & Surveillance Certification Course covers these topics:

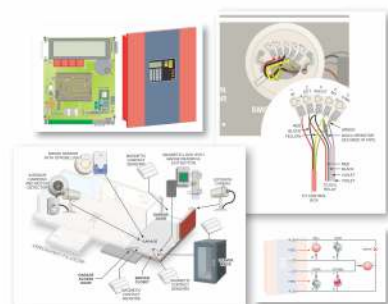
- History & Evolution of Electronic Alarm Systems
- Basic Annunciation Configurations
- Alarm Electronic Systems
- Control Stations and Certificate Services
- Testing Electronic Alarm System Circuits
- Creating and Development of First Central Station
- EMI and RFI Electrical Interference on Circuits
- Sensors and Input Devices
- Control Panels
- Keypad and Remote Programming
- Glass Protection, Motion and Shock Sensing
- Power Supplies and Power Backup
- Touch Screen, Computers and Telephone Input
- Fire Alarms Basics and Fundamentals
- Residential and Commercial Installations
- Wireless and Electrical Monitoring Supervision
- Wired and Wireless Alarm Systems
- Fire, Heat and Smoke Detection Devices
- Video Surveillance and Recording
- Internet Access to Security Systems
- Security Cameras & Network DVRs
- AND MUCH MORE!**



**Real-World
Hands-On Labs!**

INCLUDES:

- | | |
|----------|---|
| SS-2000 | Security System Installer Panel |
| SS-200 | 2 Complete Security Installers Certification Course Theory/Lab Guides |
| SS-20D | Security Durable Supplies Set |
| SS-20T | Security Installer Tool Kit |
| SS-20C | Security Installer Consumable Supplies Set |
| SS-200IG | Instructor's Guide with Digital Media (1 Per Classroom) |



ACCESSORIES:

- | | |
|--------|--|
| SS-200 | Additional Complete Security Installers Certification Course Theory/Lab Guides |
| SS-20D | Security Installer Durable Supplies Set |
| SS-20T | Security Installer Tool Kit |
| SS-20C | Security Installer Consumable Supplies Set |
| MC-CAB | Rolling Cabinet |



STS BASIC CERTIFICATION PROGRAM STS-1000

Teach students to install and interconnect residential electronic communications, computer, control and entertainment equipment. These expert training systems are the perfect addition to existing construction or electronics program.

Smart Technology Systems (STS) is a professional certification for those who design and oversee the installation and integration of electronics systems in residences and light commercial buildings. In a modern integrated environment, these systems are associated with the facility's SOHO networks – both wired and wireless.

CERTIFICATIONS:



ETA Basic Smart Technology Systems
ETA Smart Technology Systems
Computer Networking Endorsement (CN)

Not Just a Simulation! Hands-on Labs Use the Following Equipment:

- Integration Controllers
- Distribution Boards
- Power Injectors & IR Repeaters
- Phone Line Simulators
- Coaxial Splitters
- 110-Type & 66-Type Connection Blocks
- Cable Testers
- Home Routers

AND MUCH MORE!

The Marcraft STS Basic Certification Course covers these topics:

- Protective Gear & Protection
- Safe Tool and Equipment Use
- OSHA Regulations
- Basic First Aid & CPR
- Meters, Circuit Breakers & Branch Circuits
- NEC Wire Standards
- Wiring Load Calculations
- Light Fixtures & Light Controls
- Grounding & Bonding
- Basic Hand Tools & Specialized Test Tools
- Cable Pulling
- Labeling and Documentation
- Structured Wiring Standards
- Wires, Connectors & Terminations
- Category Wiring Standards
- Introduction to Blueprints
- New Construction Rough-in Techniques
- Retrofit Installation Applications
- Customer Service Skills
- Troubleshooting Essentials

AND MUCH MORE!

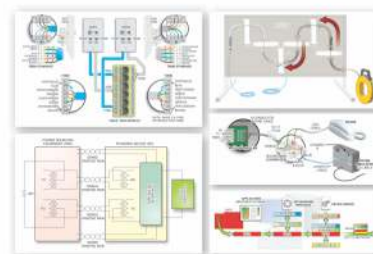
Real-World Hands-On Labs!



INCLUDES:

STS-500	Test Wall & Peripherals
STS-2000	Low Voltage Wiring Lab Panel
STS-8000	Residential Networking Station
STS-4000	Home Integration Panel
STS-40C	STS Basic Consumables Kit
STS-40T	STS Basic Tool Kit
STS-100SET	2 Sets of the STS Basic Textbook and Lab Guide
STS-100IG	Instructor's Guide with Digital Media (1 Per Classroom)

Designed for 24 Students (Requires 2 PC Workstation Computers)



ACCESSORIES & ENDORSEMENT PACKAGES:

STS-100SET	Additional Sets of the STS Basic Textbook and Lab Guide
STS-40C	STS Basic Consumables Kit
STS-40T	STS Basic Tool Kit
MC-CAB	Rolling Cabinets (2 Required)
STS-6000	STS Audio/Video Endorsement (AV) Package
STS-8500	STS Environmental Controls (EC) Endorsement Package
STS-9000	STS Security & Surveillance (SS) Endorsement Package

(More Endorsement Info on the Following Pages)



STS ENDORSEMENT PACKAGE

In addition to the BASIC STS Certification, it is possible to obtain additional endorsements for more specialized areas of home electronics integration.

NOTE: Requires the STS-1000

CERTIFICATIONS:



ETA Smart Technology Systems
Audio-Video Endorsement (AV)

ETA Smart Technology Systems
Environmental Controls Endorsement (EC)

ETA Smart Technology Systems
Security-Surveillance Endorsement (SS)



Requires A PC Workstation Computer

ACCESSORIES:

*See individual endorsements on these 2 pages

INCLUDES:

STS-6000	Audio-Video Endorsement Package
STS-8500	Environmental Controls Endorsement Package
STS-9000	Security & Surveillance Endorsement Package
STS-100EIG	STS Endorsements Instructor's Guide with Digital Media (1 Per Classroom)

STS AUDIO/VIDEO ENDORSEMENT STS-6000

STS professionals that possess the Audio/Video (AV) Endorsement know about monitors, speakers, amplifiers, distribution systems and antennas. They also understand acoustics and the electrical signals used by these devices.

NOTE: Requires the STS-1000

CERTIFICATIONS:



ETA Smart Technology Systems
Audio-Video Endorsement (AV)



INCLUDES:

STS-6000	Audio-Video Lab Panel
STS-600	2 STS Audio/Video Endorsement Text/Lab Guides
STS-600IG	STS Endorsements Instructor's Guide with Digital Media (1 Per Classroom)

ACCESSORIES:

STS-600	Additional STS Audio/Video Endorsement Text/Lab Guides
MC-CAB	Rolling Cabinet

STS ENVIRONMENTAL CONTROLS ENDORSEMENT

STS-8500

The Environmental Controls (EC) Endorsement shows that an STS professional has studied lighting and HVAC controls, along with understanding the connectivity and electrical controls for building out a Smart Home Installation utilizing various technologies.

NOTE: Requires the STS-1000

CERTIFICATIONS:



ETA Smart Technology Systems
Environmental Controls Endorsement (EC)



INCLUDES:

STS-3000	Multi-Zone HVAC System Panel
STS-7000	Residential Power & Control System Panel
STS-850	2 STS Environmental Controls Endorsement Text/Lab Guide
STS-850IG	STS Endorsements Instructor's Guide with Digital Media (1 Per Classroom)

ACCESSORIES:

STS-850	Additional STS Environmental Controls Endorsement Text/Lab Guide
MC-CAB	Rolling Cabinets (2 Required)

STS SECURITY & SURVEILLANCE ENDORSEMENT

STS-9000

By obtaining the STS Security & Surveillance (SS) Endorsement, STS professionals demonstrate proficiency in installing, configuring and troubleshooting security, fire and surveillance systems.

NOTE: Requires the STS-1000

CERTIFICATIONS:



ETA Smart Technology Systems
Security-Surveillance Endorsement (SS)



INCLUDES:

STS-9000	Security Installer Panel
STS-900	2 STS Security & Surveillance Endorsement Text/Lab Guides
STS-900IG	STS Endorsements Instructor's Guide with Digital Media (1 Per Classroom)

Requires A PC Workstation Computer

ACCESSORIES:

STS-900	Additional STS Security & Surveillance Endorsement Text/Lab Guide
MC-CAB	Rolling Cabinet

ADDITIONAL PRODUCTS

TERRA RA-TERRA

Is remote learning limiting hands-on lab access? Connect our TERRA Remote Access Appliance to your lab network to add hands-on activities to your remote learning environment. Each TERRA unit is custom programmed for your organization to work with your Marcraft training courses.

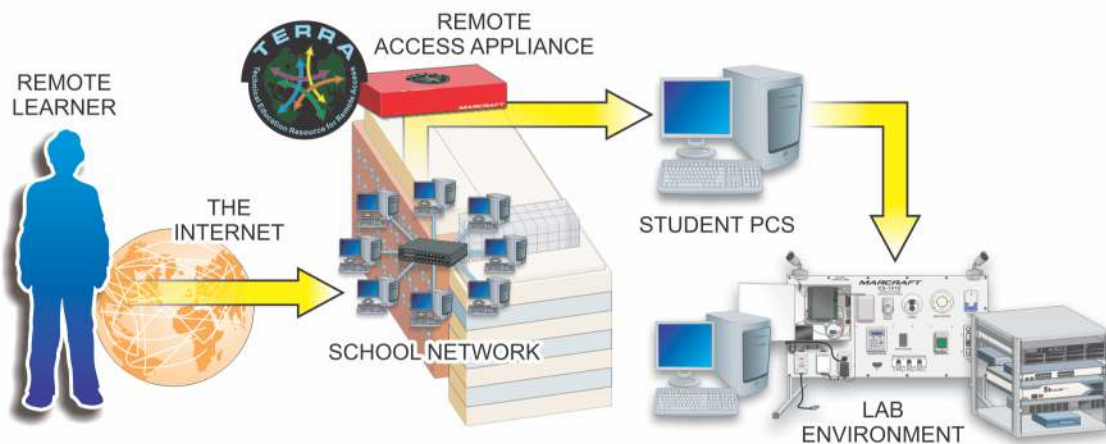
*Not applicable to the DF-1000, MC-2300 & MC-9000



INCLUDES:

RA-TERRA TERRA Remote Access Appliance, including Custom Programming & Documentation

Whether Remote, Hybrid, or In-Class, Our Hands-On Labs Can Work For You!



ROLLING CABINETS

MC-CAB

The MC-CAB Rolling Cabinet is an optional add-on designed to enhance mobility, storage, and security for any Marcraft paneled product. This lockable rolling cabinet mounts directly beneath compatible panels, creating a fully transportable workstation while providing secure storage for equipment, tools, and instructional materials.

Built with durability and classroom use in mind, the MC-CAB features locking casters that allow the entire panel system to be easily moved and firmly secured in place during use. A pair of rear cutouts is included to allow for clean integration of an internal power supply when required. Optional interior shelving is available upon request, allowing the cabinet to be configured to meet specific storage needs.

An integrated gap between the cabinet and the panel provides a convenient work surface for students, maximizing usability without increasing the overall footprint. The MC-CAB is an ideal solution for labs and classrooms that require flexibility, organization, and secure storage in one streamlined system.

Features:

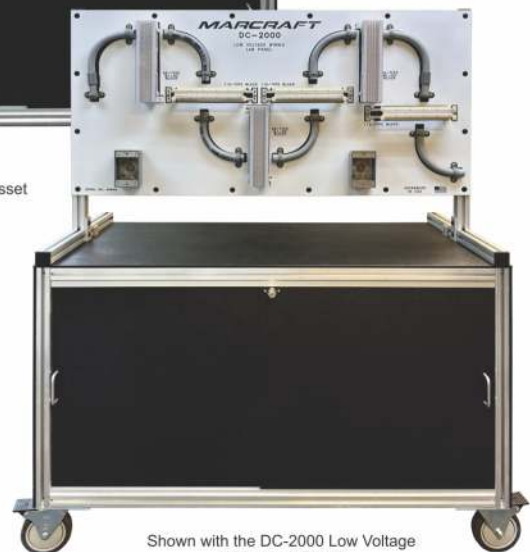
- Locking Cabinet
- Locking Casters
- Rear Cutouts for Cables
- Optional Shelving



Shown with the CS-1010 Physical Asset Protection Panel



Shown with the CS-1030 Cybersecurity Industrial Process Panel



Shown with the DC-2000 Low Voltage Wiring Lab Panel

All training units are built right here in our plant
in Western New York State.



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