



Visible Edge Institute

2024 Program Catalog



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PRESIDENT'S MESSAGE

We are unique.... Our FOUNDATION is in the industries that want to hire you!

Ve-I is the Education & Training division of Visible Edge, Inc. We have been servicing the needs of the business community for over 35 years. The Resource & Staffing and Technology & Integration Services divisions of Visible Edge allow us to have direct contact and immediate feedback from major employers all over North America. Our staff works in the trenches having daily interactions with the companies that want to hire you! Our close ties to industry ensure students are learning the skills that will maximize their chances of employment. Our environment encourages students and staff to interact and challenge themselves.

Our Viewpoint.....is focused

After years in the trenches, we have observed that unemployed individuals who need to find a job, but need their skills updated, have only had two choices. They can either enroll in a college program and hope they do not starve for the 2 + years until a degree is earned... or they can take some classes at a traditional training center and try to convince an employer that a week or two of training taught them all the skills they need to be employable again. It is not enough. That is where we come in. Our certificate & Diploma programs give just the right skills to get you the employment you are looking for at a cost that you can afford over a time period that demonstrates that you have a strong grasp of the subject material taught.

Our STAFF.....is exceptional

We have practical, current, pertinent industry knowledge. Our instructors are seasoned and respected professionals in the subjects they teach. They are still working in the trenches through the Visible Edge customer base. The Ve-I administrative staff is here to accommodate your needs including Career Counseling and Development and Outplacement Services.

Our GOALS..... are the same as yours

The success of Ve-I's programs, courses and services can be measured by the continued employment of our students in industry along with the fact that we have consistently been a top training center in North America for over 30 years. **Whether it is to become employed or to advance your career**, Ve-I provides the most cost-effective means to learn the necessary skills to achieve your goals. The value packed curriculums together with the aggressive pace is geared towards rapid achievement of your employment goals without sacrificing quality.

On behalf of Ve-I, I extend an invitation to you to visit our campus. We are located in The Millyard Technology Park, a beautifully renovated textile mill that has been one of the technology cornerstones of New Hampshire for over 175 years. Ve-I welcomes the opportunity to help you navigate your educational journey.



Mark Harwood
President

MISSION

As a Licensed Post-Secondary Educational Institution through the Department of Education, we are committed to maximizing the value students receive from an education at Ve-I. Our mission is to provide pertinent industry relevant training to students, thereby maximizing their employment and earnings potential.

VISION

Ve-I provides flexible, cost-effective education services to the rapidly changing job market. Building on our commitment to provide the highest possible quality of instruction we will continue to develop innovative ways to deliver training both in-center and remotely in an effort to maximize the acquisition of pertinent knowledge while minimizing the time away from the workplace.

We will meet the changing business resource needs of the companies we serve. Through constant communication with our customer base, we have become the preferred provider of resources in the fields of AI, Cybersecurity & IT, Design, Engineering, Manufacturing, Production, Digital Marketing & Web Development, Animation, Graphic Design, Game Design & Development, Entrepreneurship, Business Process Improvement, HR, Data Analytics and Business Intelligence, Data Science, Machine Learning, CAD Applications, Project Management Professionals, Office Administration Professionals and other STEM related disciplines.

To achieve this vision, Ve-I will focus on providing the following:

- Value
- Expertise
- Technology
- Outplacement
- Workforce Development



CORE VALUES

Ve-I addresses two major areas through its core values:

Striving for Excellence

Ve-I focuses on achieving results that improve its reputation by:

- Having high expectations for faculty, staff, and students
- Being learner-focused to meet the various needs of our students
- Providing challenging learning opportunities and appropriate related services
- Developing integrated learning communities and interdisciplinary curricula
- Documenting institution outcomes
- Encouraging continuous improvement and growth through systematic evaluation and the refinement of programs, services, and processes

Innovation

Ve-I will encourage risk-taking to meet the changing needs of the marketplace and our key stakeholders by:

- Being flexible and willing to adapt to changing needs of the community
- Anticipating and capitalizing on opportunities for institutional growth

GUIDING PRINCIPLES

Ve-I recognizes the desire most people have for gainful employment. Before introducing new courseware, we ask ourselves; “Is there a demand for the knowledge being transferred to the student”. We focus our efforts on curriculum that is going to drastically increase our students’ chances of gainful employment. We are not a college preparatory institution. We prepare people for immediate entry into the workforce. Our ability to help our students fulfill this goal will be the ultimate measure of our success. To aid in this process we have developed relationships with other educational institutions as well as business and industry leaders.

EDUCATIONAL PHILOSOPHY

Ve-I provides a variety of educational programs & instructional methods. The major aim of Ve-I is to assist students to become skilled workers in discipline specific areas. We are not striving to create generalists. We are striving to teach people how to gain employment with a company and keep it by getting the job done accurately and efficiently. We encourage our students to be open to all opportunities an employer may present.

HISTORY

Ve-I's parent, Visible Edge Computing, Inc. was founded in 1989 providing full-service engineering & design solutions to clients from small home businesses to "Fortune 100" corporations and their outsourcing vendors. They are owned and operated by degreed Engineers each with 35+ years' experience managing and working in engineering environments.

Education & Training Services

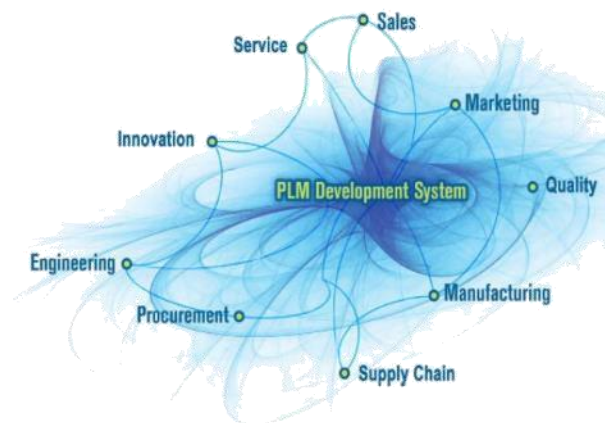
Ve-I, the training division of Visible Edge Computing, Inc, has been providing both applications specific training and career related certificate & diploma programs for over 30 years. We are a Bonded & Licensed Post-Secondary Educational Institution. We offer application specific courses for current MCAD Systems, Cybersecurity & IT, Design, Engineering, Manufacturing, Production Technologies, Digital Marketing & Web Development, Animation, Graphic Design, Game Design & Development, Data Analytics and Business Intelligence, Data Science, Machine Learning, AI, CAD Application Specialists, Entrepreneurship, Business Process Improvement, HR, Project Management Professionals, Office Administrators, Robotics, and other STEM related disciplines. Our programs are flexible, comprehensive and solution oriented, utilizing lectures, demonstrations, and extensive hands-on lab exercises.

Resource & Staffing Services

Since 1989 our resource & staffing services have included, but have not been limited, to product development, IT support, project management, PDM/PLM services, design automation, animation, structural/thermal analysis, part & machine design, modeling & drawing creation, manufacturing, digital marketing, robotics, and other STEM fields. These services can be provided on demand from our facility or on-site at our clients'. We cater to a wide range of vertical markets including, but not limited to, aerospace, defense, semiconductor, medical, military, robotics, electronics, consumer, energy, petro-chemical and capital equipment industries.

Technology & Integration Services

Since 1989 our technology & integration services have included, but have not been limited to, the implementation & support of best-in-class, enterprise-wide product development and data management applications. As technology & integration specialists, Visible Edge, Inc. provides software, hardware & consulting support to keep our customers product development environments running at peak efficiency.



PROGRAMS OF STUDY

Our programs teach the skills required to attain the core competencies in specific subject matter. The blocks of material alone far exceed what most experienced employees have the opportunity to learn in a work or traditional learning environment. Deep dive into one of our programs and attain the skills you need for your next job. A wide range of in demand and unique electives are also included in all programs that will increase your employment marketability over other traditionally trained candidates. All program lengths vary between 200 and 750+ hours depending on program level and electives chosen.

Information Technology & Cybersecurity

- Information Technology Essentials
- IT Help Desk Support Technologies
- Cybersecurity & Information Technology (IT)
- Microsoft (Office) 365 Administration Technologies
- Network Administration Technologies
- Windows Desktop & Server Administration Technologies
- Cloud Computing Technologies

Data Analytics, Data Science, GIS, & Software

- Artificial Intelligence (AI) Technologies
- Artificial Intelligence (AI) for the Workplace
- Data Analytics Applications Specialist
- Data Analytics Technologies
- Data Science & Machine Learning Technologies
- GIS and Digital Cartography Technologies
- Software Engineering Technologies

Management & Office Administration

- Business Process Improvement Technologies
- Entrepreneurship & Business 101 Technologies
- Human Resources (HR) Technologies
- Project Management (PMP/CAPM/PM)
- Office Administration & Support Technologies

Exploratory Programs

- Open Career Studies
- Science & Technology Exploration Program (STEP)

Marketing & Graphic Design

- Game Design and Development Technologies
- Digital Marketing Applications Specialist
- Digital Marketing & Web Design Technologies
- Digital Marketing & Graphic Design
- Graphics Design Applications Specialist
- Graphics Design Technologies

Mechanical & Architectural

- SolidWorks Mechanical Design Applications Specialist
- Inventor Mechanical Design Applications Specialist
- Creo Mechanical Design Applications Specialist
- Revit Architectural Design Applications Specialist
- AutoCAD Design Applications Specialist
- Mechanical Design Technologies
- Mechanical Engineering Review
- Mechanical Engineering Technologies

Building & Construction

- Architectural Design Technologies
- Building & Construction Design Applications Specialist
- Civil Design Technologies

Robotics, Manufacturing, and Production

- Advanced Manufacturing Technologies
- Manufacturing Applications Specialist
- Production Technologies
- Robotics & the Internet of Things (IoT) Technologies

Please note that in an effort to provide the most up to date training possible the actual course titles shown in the following program outline may vary from the titles in the actual training materials as applications software and training materials are frequently updated. Please see the Addendum for the full list of courses for each program. Tip: Use "Alt-Left Arrow Key" to return here after selecting a link above.

INFORMATION TECHNOLOGY & CYBERSECURITY

Information Technology Essentials

IT Help Desk Support Technologies

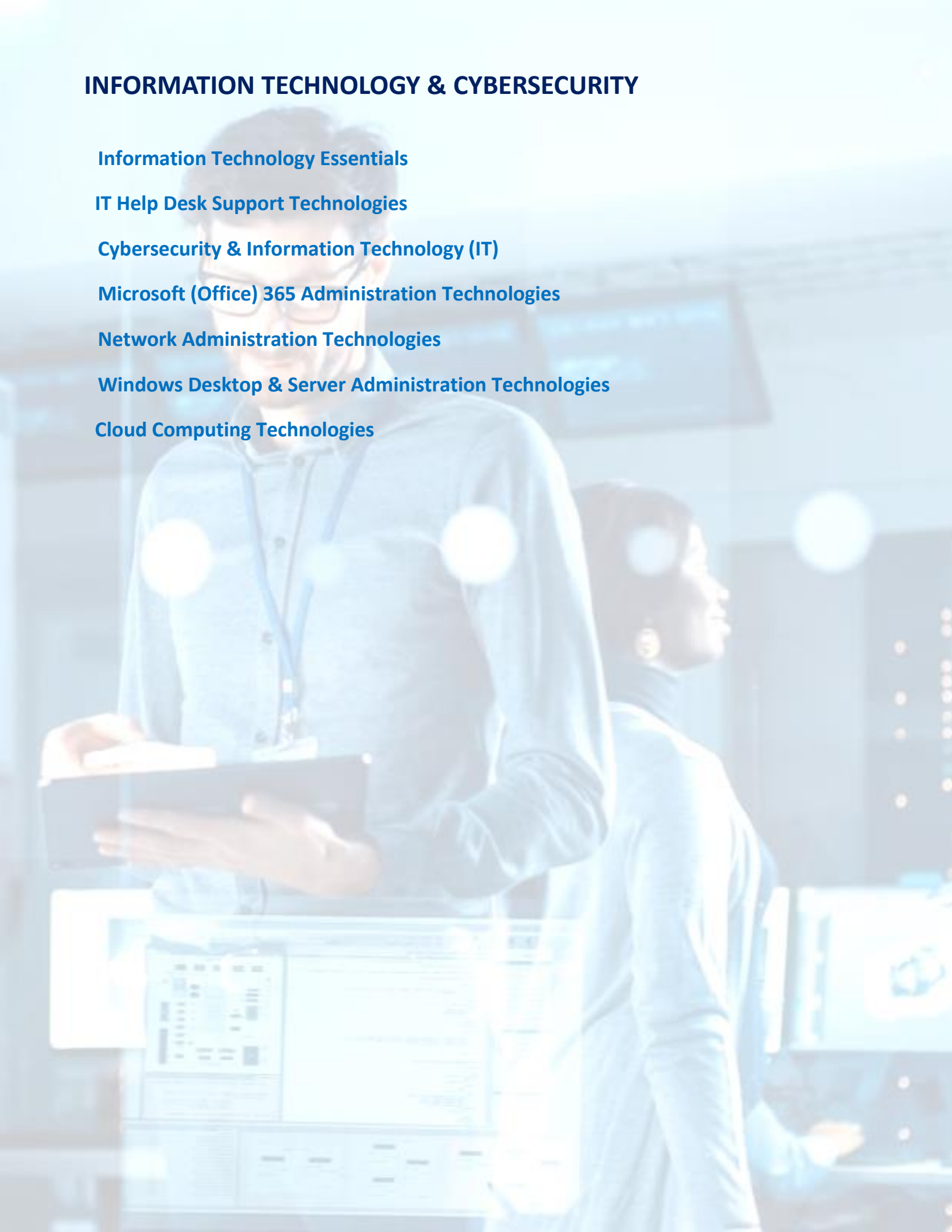
Cybersecurity & Information Technology (IT)

Microsoft (Office) 365 Administration Technologies

Network Administration Technologies

Windows Desktop & Server Administration Technologies

Cloud Computing Technologies



Information Technology Essentials

This flexible program was designed to accommodate individuals interested in entering the field of Information Technology (IT). It begins with teaching basic IT skills to ensure you are properly prepared to learn more advanced IT functions. It also prepares you for a role as an IT Support Technician covering topics such as:

- Building Your Technology Skills in Mobile, Networking, Security, and Troubleshooting
- Computer Components and Peripherals for IT Technicians
- Learning PC Maintenance and Performance
- PC Basics, Hardware, Operating Systems, and Applications
- Troubleshooting Common PC Issues for Users
- Windows for IT Pros
- Windows: Administration
- Windows: Security & Windows: Networking
- Windows: Troubleshooting for IT Support
- MacOS Sierra for IT Administrators
- IT Service Desk Careers and Certifications: First Steps.



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Additional coursework and labs teach and prepare you to obtain an Industry-Recognized **CompTIA A+ Certification**, the standard certification required to enter the field of Information Technology. Additional coursework also includes preparation to take several other industry recognized Microsoft Windows and Windows Server certifications.

Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.

During the development of your training plan, you will be able to choose from a list of over 200 related electives that include topics such as Microsoft Teams Administration, PowerShell, Advanced Windows Performance Troubleshooting, Windows Server Administration Fundamentals, Windows Server Advanced Administration, Linux, Virtualization, Azure, Cybersecurity, SQL, Python Programming for Automated Scripting, Network Administration, Salesforce Administration, Microsoft 365 Enterprise



Administration, Microsoft Access VBA: for Non-Programmers, Microsoft SharePoint, all the Microsoft 365 Office Suite plus much more!

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

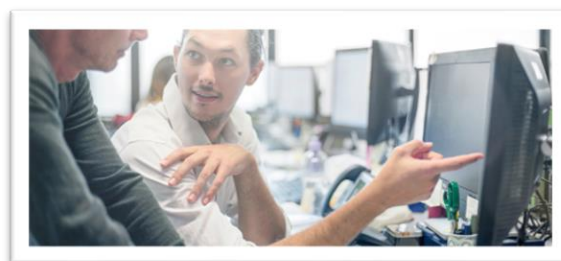
With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you. Not sure where to start? Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/information-technology-essentials/>



IT Help Desk Support Technologies

This flexible program was designed to accommodate individuals interested in entering the field of end user IT support. It begins with teaching basic computer operating skills along with customer services related skills. In preparing you for a role as an IT Help Desk Support Technician the following topics will be covered:

- Windows: Administration, Manage and Maintain Windows Operating Systems
- Learning PC Maintenance and Performance
- CompTIA A+ Certification Prep: The Basics
- Troubleshooting Common PC Issues for Users
- Innovative Customer Service Techniques
- Communication Foundations
- Writing Customer Service Emails
- Phone-Based Customer Service
- Time Management Fundamentals
- Decision-Making Strategies
- Teamwork Foundations
- Conflict Resolution Foundations
- IT Service Desk: Customer Service Fundamentals



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

This and other core coursework will prepare you for the industry recognized Microsoft Windows Certification Exam & Microsoft Windows Managing Modern Desktops Certification Exam (exam fee included in program).

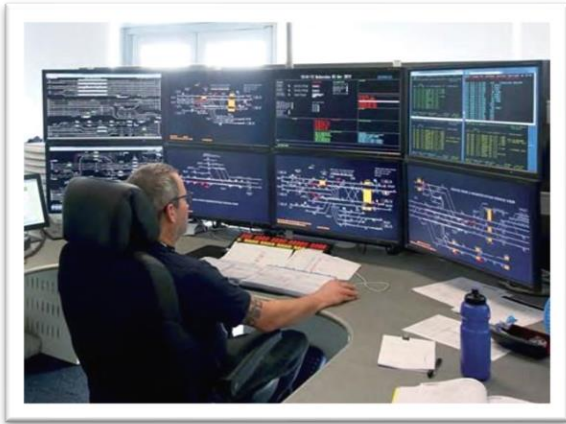
Additional coursework and labs teach and prepare you to obtain Industry-Recognized Microsoft Certifications in the primary Microsoft (Office) 365 Applications.

Certification Prep and exams for:

- Word, Excel, PowerPoint & Outlook **Associate** - Microsoft Office Specialist
- Word, Excel, Access **Expert** - Microsoft Office Specialist

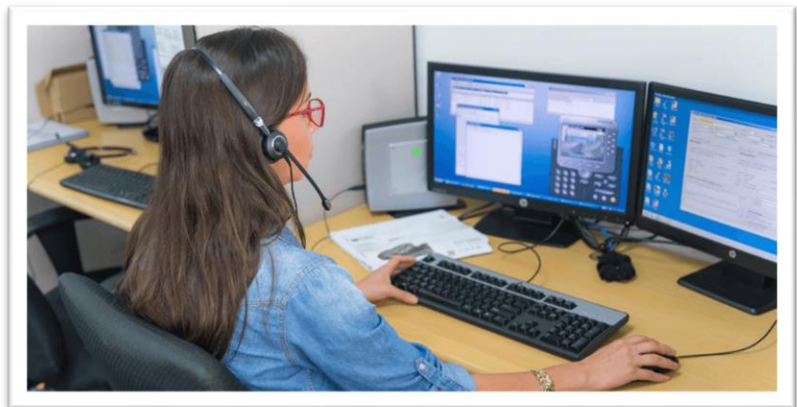


Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.



During the development of your training plan, you will be able to choose from a list of over 200 related electives that include topics such as Remote IT Administration, Managing Microsoft Teams, Certification Exam Prep for CompTIA A+, Microsoft 365 Enterprise Administrator, Microsoft 365 Fundamentals, Microsoft 365 Fundamentals, Windows Virtual Desktop WVD, Deploying Windows Virtual Desktop in Microsoft Azure, Configuring and Operating Microsoft Azure Virtual Desktop, plus more.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs.



For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/it-help-desk-support-technologies/>

Cybersecurity & Information Technology (IT)

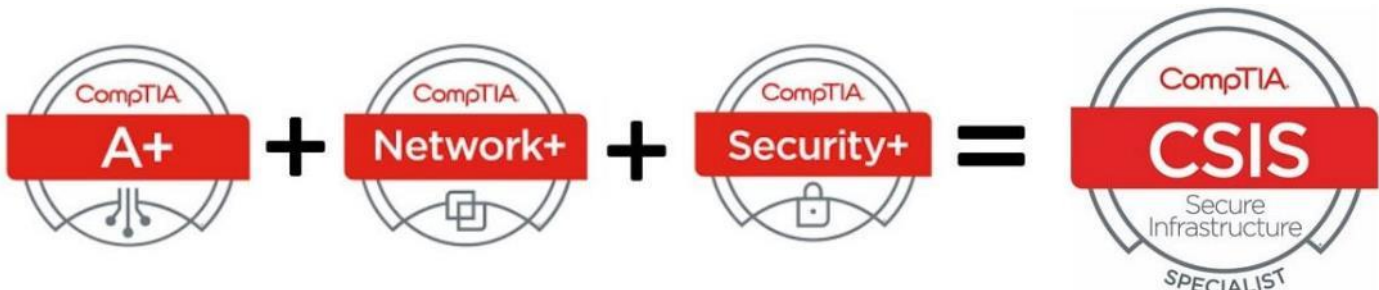
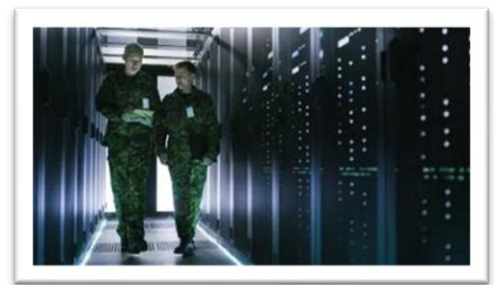


This flexible program was designed to accommodate beginners to advanced individuals. For those new to IT, it begins with teaching basic IT skills to ensure the student is properly prepared to learn more advanced IT and Cybersecurity functions. Coursework and labs teach and prepare students to obtain Industry-Recognized Certifications including, but not limited to,

CompTIA ITF+, CompTIA A+, and CompTIA Network+ Certifications. Coursework also includes preparation to take several other industry recognized Microsoft Windows and Windows Server certifications.



Once commanding a thorough knowledge of IT Fundamentals, the student will dive into system virtualization then commence to the world of Cybersecurity by learning fundamental skills such as network security, penetration testing (Ethical Hacking), and other skills in order to be fully prepared to take the CompTIA Security+ Certification Exam.



Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions. A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates. Elective topics include:

Operating Systems & Cloud:



Computer Science 101, Windows Operating System Fundamentals, Windows PowerShell, TCP/IP Subnetting, Windows Server Administration - Networking & Securing, CompTIA Network+ & **CompTIA CySA+ Cybersecurity Analyst**



Certification Prep + Exams, Various Microsoft MTA, MAT & MCSA Certification Prep & Exams, Linux, Amazon Web Services (AWS), Azure, Virtualization using VMware ESXi, vSphere, vSAN & VMware Certification Prep + Exams.



Cybersecurity:



Introduction to Cybersecurity, Cybersecurity Risk Management, Cisco CCNA Certification Prep + Exam, Ethical Hacking, Penetration Testing, Kali Linux, **CompTIA Pentest** + Certification Prep + Exam, Computer Forensics, Wireshark, Snort, SO, Data Analysis, Python, SQL, Machine Learning and Artificial Intelligence, plus more.



Manufacturing & Project Management

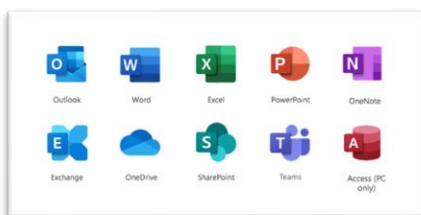


Cybersecurity for Manufacturing, The Internet of Things (IoT), The Industrial Internet of Things (IIoT), The Digital Twin & Digital Thread, Arduino, Raspberry Pi, Wireless, Cloud Computing, AR (Augmented Reality) & Video Streaming, Digital Manufacturing & Design Technology, Machine Learning, Robotics, PLC Programming, Project



Management Fundamentals, Agile/Scrum, **Lean Six Sigma Green Belt Professional Certification** Prep + Exam.

Office Applications:




Microsoft Access, Excel, Flow, OneNote, Outlook, PowerPoint, Project, Publisher, SharePoint, Teams, Visio, Word, plus more...

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/cybersecurity-information-technology-it/>

Program Outline

 Visible Edge Institute <small>A Division of Visible Edge®, Inc.</small>		Training Plan	
		Student Name:	VA Students
		Ve-I Career Counselor:	TBD
		Program #:	
		Planned Start Date:	1/1/2023
		Planned Completion Date:	8/24/2023
		Program Hours:	850
		Program Length (weeks):	34
		Discounted Program Cost:	\$17,000
Program: Cybersecurity & Information Technology (IT)			
Ve-I Course Name	Clock Hours	Bundled Price	
PreRequisites			
Microsoft OneNote Mastery	1	\$20	
Microsoft Teams Essential Training	5	\$100	
How to Learn: Effective Approaches for Self-Guided Learning	3	\$60	
Passing Certification Exams with Strategic Test Taking!	8	\$160	
CompTIA A+ (220-1101) Certification Prep	85	\$1,700	
CompTIA A+ (220-1101) Test Prep, Exams and Simulations	8	\$160	
CompTIA A+ (220-1101) Practice Exams (Over 500 questions!)	15	\$300	
Certification Exam: CompTIA A+ (220-1101)	10	\$375	
CompTIA A+ (220-1102) Certification Prep	75	\$1,500	
CompTIA A+ (220-1102) Test Prep, Exams and Simulations	10	\$200	
CompTIA A+ (220-1102) Practice Exams (Over 500 questions!)	15	\$300	
Certification Exam: CompTIA A+ (220-1102)	10	\$375	
Core Courses			
CompTIA Network+ Full Course & Practice Exam	100	\$2,000	
CompTIA Network+ 6 Practice Exams and Simulations	15	\$300	
Certification Exam: CompTIA Network+	10	\$727	
CompTIA Security+ Certification Preparation	110	\$2,200	
CompTIA Security+ (SY0-601) Practice Exams & Simulated PBQs	15	\$300	
Certification Exam: CompTIA Security+	15	\$869	
Electives (Primary)			
Python Programming for Automated Scripting	25	\$500	
Windows PowerShell	15	\$300	
Windows Server Administration Fundamentals	30	\$600	
Azure Fundamentals: AZ-900 Certification Exam Prep	18	\$360	
Certification Exam: Microsoft Azure Fundamentals (AZ-900)	30	\$765	
CompTIA Pentest + Certification Prep + Practice Exams	20	\$400	
CompTIA PenTest+ Practice Certification Exams	15	\$300	
Certification Exam: CompTIA PenTest+	10	\$769	
CompTIA CySA+ Complete Course and Practice Exam	83	\$1,660	
CompTIA CySA+ Practice Certification Exams	15	\$300	
Certification Exam: CompTIA CySA+	10	\$769	
Computer Forensics Overview	1	\$20	
Wireshark Essential Training	8	\$160	
Elective Courses (Secondary)			
Additional Lab Time for Cybersecurity & Information Technology (IT) Program	60	\$1,200	
Scholarship	0	(\$2,740)	

Job Prospects for Cybersecurity & Information Technology (IT)* Graduates

Engineers** - Software Engineer, Manufacturing Engineer, Mechanical Engineer, Computer Systems Engineer, Network Engineer, Network Architect, Automotive Security Engineer, Blockchain Developer / Engineer, Cybersecurity Software Developer, Cybersecurity Software Engineer, Cybersecurity Hardware Engineer, Mobile Security Engineer, Junior Dev Ops Engineer, Entry Level Computer Engineer, Computer Engineer, Sales Engineer, Devops Engineer, Entry Level Dev Ops Engineer, Computer Hardware Engineer, **any Engineer responsible for securing a computing environment.**

Analysts & Scientists - Cybersecurity Analyst, Computer Systems Analyst, Information Security Analyst, Regulatory Affairs Specialist, Entry Level Data Analyst, Entry Level Data Scientist, Data Scientist, Junior Data Scientist, Data Analyst, Counterespionage Analyst, Data Security Analyst, Digital Forensics Analyst, Information Assurance Analyst, Information Security Analyst, Intrusion Detection Analyst, Malware Analyst, PKI (Public Key Infrastructure) Analyst, Security Operations Center (SOC) Analyst, SCADA (Supervisory control and data acquisition) Security Analyst, Information Security Analyst, Cyber Security Analyst, Systems Analyst

Ethical Hacking – Ethical / White Hat Hacker, Blue Team Member, Bug Bounty Hunter, Penetration Tester (Pen-Tester), Red Team Member, Threat Hunter, Vulnerability Assessor

Specialists - Artificial Intelligence Security Specialist, Cyber Insurance Policy Specialist, Cyber Intelligence Specialist, Cyber Operations Specialist, Data Recovery Specialist, Disaster Recovery Specialist, IIoT (Industrial Internet of Things) Security Specialist, IoT (Internet of Things) Security Specialist, Computer Support Specialist, Security Awareness Training Specialist, Security Auditor, Source Code Auditor, Cryptographer, Cybercrime Investigator, Cybersecurity Lawyer, Cloud Security Architect, Data Privacy Officer, Incident Responder, Entry Level QA Tester, IT Security Architect

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, most other Engineering Technician positions, Biological Technician, Chemical Technician, Testing Technician, Software Quality Assurance Tester, Computer Technician, IT Technician, Network Technician, Help Desk Technician, PC Technician, Virus Technician, QA Tester, IT Intern and any Technicians responsible for securing a network

Developers - Software Developer, Applications Developer, Web Developer, Database Architect

Managers - Computer and Information Systems Manager, IT Project Manager, Network & System Manager, Operations Manager, Manufacturing Manager, CIO, IT Manager, Systems Manager, CIO, IT Director, Cybersecurity Scrum Master, Security Operations Center (SOC) Manager, Chief Information Security Officer (CISO), Chief Security Officer (CSO), Governance Compliance & Risk (GRC) Manager, Information Security Manager/Director

Administrators - Application Security Administrator, Network Security Administrator, Entry Level Network Administrator, Junior Salesforce Administrator, System Administrator, Network Administrator, Database Administrator, Salesforce Administrator, Oracle DBA, Office Administrators

**Skills learned in this program prepare students for many job titles beyond “Cybersecurity” titled positions. Cybersecurity certifications are of value to many other job disciplines where data security is a requirement.*

***Engineer titles usually require a 2 or 4-year degree.*

Microsoft (Office) 365 Administration Technologies

Our Microsoft (Office) 365 Administration program was designed to provide comprehensive training on the management and deployment of the cloud-based suite of Microsoft (Office) 365 business applications. The program begins with a course on Getting Started with Microsoft 365.

Some other initial topics include:

- Microsoft (Office) 365 New Features
- Learning Word, Excel, PowerPoint, Outlook Desktop
- OneDrive for Business
- Microsoft Teams, Microsoft Planner, SharePoint, & Windows Essential Training
- OneNote for the web



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

This and other core coursework will prepare you for the industry recognized Microsoft Windows Certification Exam & Microsoft Windows Managing Modern Desktops Certification Exam (exam fee included in program).



Microsoft 365
Certified Security
Administrator
Associate



The second part of the core program prepares you to obtain the industry recognized Microsoft (Office) 365 Enterprise Administrator Certification covering the following topics:

- Introduction to Microsoft (Office) 365 for IT Pros, Windows: Administration & Security
- Windows as a Service: Planning Deployment, Microsoft (Office) 365: Deployment & Administration
- Windows OS: Troubleshooting for IT Support, Microsoft (Office) 365 for Administrators: Supporting Users
- Microsoft (Office) 365 for Administrators: Troubleshooting Issues for Users
- Microsoft Cybersecurity Stack: Advanced Identity and Endpoint Protection
- Windows for IT Pros Essential Training, Microsoft Enterprise Mobility Suite: Management and Security
- Microsoft Cybersecurity Stack: Identity and Endpoint Protection Basics
- Microsoft (Office) 365 Essential Training for Administrators

Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.



During the development of your training plan, you will be able to choose from a list of over 150 related electives that include topics such as Managing Microsoft Teams, Cloud Computing - CompTIA Cloud+ Cert Prep & Exam, Microsoft Dynamics 365, Microsoft Power Automate (Flow), Microsoft Project, Publisher, SharePoint, Visio, Business Continuity and Disaster Recovery Fundamentals, Python Programming for Automated Scripting, Cybersecurity, Azure Fundamentals, Azure

Administrator, CompTIA A+ Certification, AWS Certified Cloud Practitioner, Configuring and Operating Microsoft Azure Virtual Desktop, Windows Virtual Desktop WVD, Deploying Windows Virtual Desktop in Microsoft Azure, Cybersecurity Risk Management, Windows PowerShell, IT Help Desk Specialist Track, Remote IT Administration, IT Support Technician Track, Project Management Essentials.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you. Not sure where to start? Our counselors are available to help put together a customized program to meet your needs.

For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/microsoft-office-365-administration/>



Network Administration Technologies

This comprehensive program was designed to provide training on the management and deployment of the network infrastructure within a business environment. It begins with a course on Network Administration with the following topics:

- Networking Foundations: Networking Basics, IP Addressing, Network Media (LANs), Network Media (WANs)
- Protocols and CLI Tools - Protecting Your Network with Open-Source Software, Learning IP Addressing
- Network Troubleshooting, Subnetting, Packet Delivery Process, IPv6 - Advanced Cisco Routing: RIPv2
- EIGRP and OSPF - Wireshark Essential Training & Functionality,
- Learning Cisco CLI Switch Router Configuration, Cisco Networking Foundations



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

This and other core coursework will prepare you for the industry recognized **CompTIA Network+** Certification Exam.

The second part of the core program prepares you to obtain additional industry recognized certifications by CompTIA. Topics include:

- Introduction to Cybersecurity, Certification Prep & Exam: **CompTIA Security+**
- NIST - 800-171 & CMMC Compliance Overview
- Python Programming for Automated Scripting



Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.

During the development of your training plan, you will be able to choose from a list of over 100 related electives that include



topics such VMware ESXi & vSphere, VMware VCA Exam, VMware vSphere VCP Lab with VMware Workstation, VMware vSphere Professional Exam Prep (VCP-DCV), VMware vSAN (Virtual SAN), VMware VCP Exam, Industrial IoT on Google Cloud Platform, Internet of Things Specialization, Network Security Analysis Using Wireshark, Snort, CompTIA CySA+ Complete Course and Practice Exam, AWS Certified Cloud Practitioner, Azure Administrator Associate, Microsoft Azure Virtual Desktop, Windows Virtual Desktop WVD, Deploying

Windows Virtual Desktop in Microsoft Azure, Deploying and Managing Azure Virtual Machines, CompTIA Cloud+, CompTIA PenTest+, Ethical Hacking Fundamentals, Penetration Testing with Metasploit, Kali Linux Web App Pentesting Labs, Snort Intrusion Detection, Rule Writing, and PCAP Analysis, Business Continuity and Disaster Recovery Fundamentals, Cybersecurity Risk Management, Remote IT Administration, IT Support Technician Certification Bundle, Windows Server Administration Certification Prep Track, Project

Management Essentials, Microsoft Project, SharePoint, Teams, Email Etiquette At Work, plus more!



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

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For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/network-administration-technologies/>



Windows Desktop & Server Administration Technologies

This flexible program was designed to focus on the backend operations of a computing environment starting with the desktop computer hardware and operating systems back to the servers in a data center and the how they all work together to deliver the front-end applications utilized by company personnel. CompTIA A+ Certification is a prerequisite.



You will begin with core coursework preparing for the industry recognized Microsoft Windows Certification Exam & Microsoft Windows Managing Modern Desktops Certification Exam (exam fee included in program). This will be followed by the Windows Server Administration Certification Prep Track covering the following topics:

- Windows Server: Installation and Configuration, Storage Services, Configure Hyper-V, High Availability
- Manage, Monitor, and Maintain Servers, DNS, DHCP, IP Addressing, Remote Access Solutions,
- Advanced Networking Features, Install and Configure Active Directory, Active Directory Enterprise Infrastructure, Active Directory Certificate Services, Implementing Group Policy

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Additional coursework and labs teach and prepare you to obtain optional industry-recognized certifications including:

- CompTIA Network+ Certification Prep & Exam
- Virtualization Fundamentals using VMware ESXi & vSphere
- VMware Certified Associate Certification Prep (VCA-DBT) & Exam, VMware vSAN (Virtual SAN)
- Azure Fundamentals Certification Prep & Exam, Azure Administrator Certification Prep & Exam
- Business Continuity and Disaster Recovery Fundamentals



Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.



During the development of your training plan, you will be able to choose from a list of over 200 related electives that include topics such as Microsoft Dynamics 365 Online Deployment, IT Help Desk Specialist, IT Support Technician, and Remote IT Administration.

Additional topics include Managing & Troubleshooting Microsoft Teams, Microsoft 365 Certified: Teams Support Engineer Associate, Cloud Administration Track, CompTIA Cloud+, Microsoft 365 Enterprise Administrator Certification Bundle, VMware vSphere VCP Lab with

VMware Workstation, Certification Exam: VMware VCP, Azure Security Engineer Track, Azure Architecture Technologies, Microsoft Azure Data Fundamentals, Configuring and Operating Microsoft Azure Virtual Desktop, Python Programming for Automated Scripting, SQL, Azure - Extending On-Prem Active Directory into Microsoft Azure, Microsoft Azure Administration Track, Linux Fundamentals, CompTIA Network+, Migrating between Windows and Mac Computers, Windows PowerShell, Advanced Windows Performance Troubleshooting, Securing Windows Server, System Center Configuration Manager (SCCM), Windows Server Update Services (WSUS), Project Management Essentials, Scrum Certification Prep +Scrum Master+ Agile Scrum Training, Microsoft Flow Essentials, Getting Started with Microsoft 365, Microsoft Planner Essential Training, Microsoft Project Essentials, Microsoft SharePoint Mastery, Zoom Essentials, Microsoft Visio – Complete, Email Etiquette At Work, plus more!



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

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Not sure where to start? Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/network-administration-technologies/>



Cloud Computing Technologies

This cutting-edge program was designed to provide comprehensive training on the world of Cloud Computing, focusing on Microsoft Azure and Amazon AWS environments. It begins by preparing you for the CompTIA Cloud+ Industry Recognized Certification. Topics covered include:

- Learning Cloud Computing: Core Concepts, Public Cloud Platforms & Cloud Security
- Private Cloud Platforms - Introduction to Cloud Computing for IT Pros
- Azure Administration Essential Training
- AWS Essential Training for Architects
- Google Cloud Platform Essential Training for Administrators
- Cloud Computing Careers and Certifications: First Steps

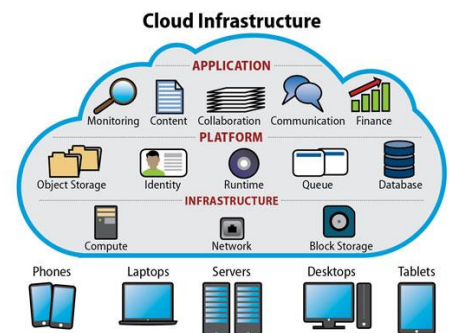


Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Additional coursework and labs teach and prepare you to obtain many optional Microsoft and AWS Industry-Recognized Certifications. Optional certification prep and exams to choose from include:

- Azure Fundamentals, Microsoft Azure Data Fundamentals
- Microsoft Azure Administration, Azure Security Engineer, Azure Developer
- Azure Virtual Desktop WVD, Azure Solutions Architect Expert, Azure Architect Design
- AWS Certified Cloud Practitioner, AWS Certified Solutions Architect – Associate
- AWS Certified Solutions Architect – Professional, AWS Certified DevOps Engineer - Professional
- AWS Certified Database – Specialty, AWS Certified Developer – Associate
- AWS Certified Machine Learning – Specialty, AWS Certified Security - Specialty
- AWS Certified Advanced Networking – Specialty, AWS Certified SysOps Administrator - Associate
- Certification Exam: AWS Certified Data Analytics - Specialty
- Windows OS & Managing Modern Desktops

Please note that individuals who already have active matching certifications may opt to take electives in place of the associated core courses. Proof of active certification status must be presented at time of registration.



During the development of your training plan, you will be able to choose from a list of over 150 related electives that include topics such as AWS Data and DevOps Specialist, Database Developer, SQL Development, Oracle Certified Professional, Java, Oracle MySQL, Introduction to Database Engineering, Industrial IoT on Google Cloud Platform, IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies, Azure AI



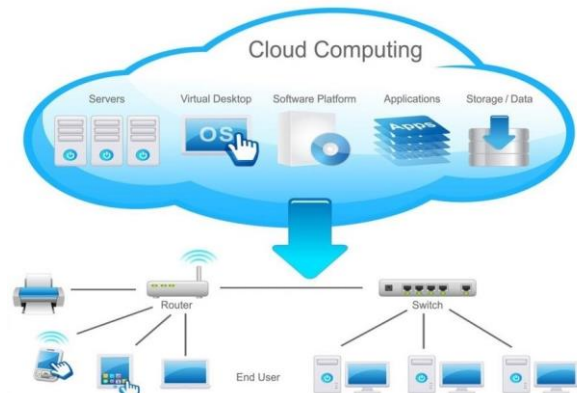
Fundamentals, Azure for SAP Workloads, Microsoft Azure IoT Developer, Extending On-Prem Active Directory into Microsoft Azure, Microsoft Dynamics 365 Fundamentals (CRM), Certification Exam: CompTIA Network+, Network Administration, TCP/IP Subnetting Fundamentals, Windows PowerShell, Microsoft 365 Enterprise Administrator Certification Bundle, Remote IT Administration, Windows Server Administration Certification Prep Track, Salesforce Certified Administrator, Salesforce Certified Advanced Administrator Exam, Salesforce Certified Platform Developer Exam, Microsoft 365 Essential Training for Administrators, Microsoft Office 365: Administration (Office 365/Microsoft 365), and more...

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

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For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/cloud-computing-technologies/>



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DATA ANALYTICS, DATA SCIENCE, GIS, & SOFTWARE

Artificial Intelligence (AI) Technologies

Artificial Intelligence (AI) for the Workplace

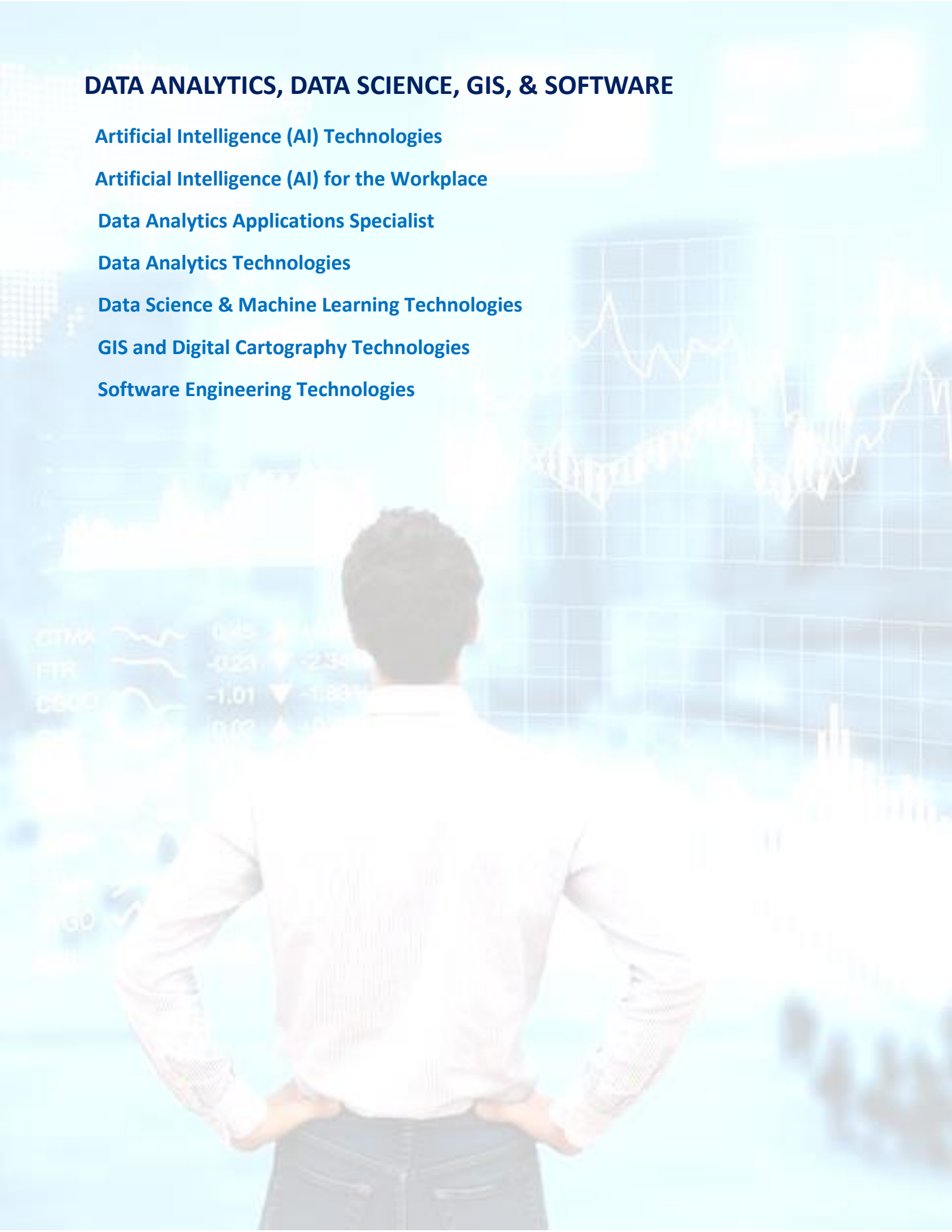
Data Analytics Applications Specialist

Data Analytics Technologies

Data Science & Machine Learning Technologies

GIS and Digital Cartography Technologies

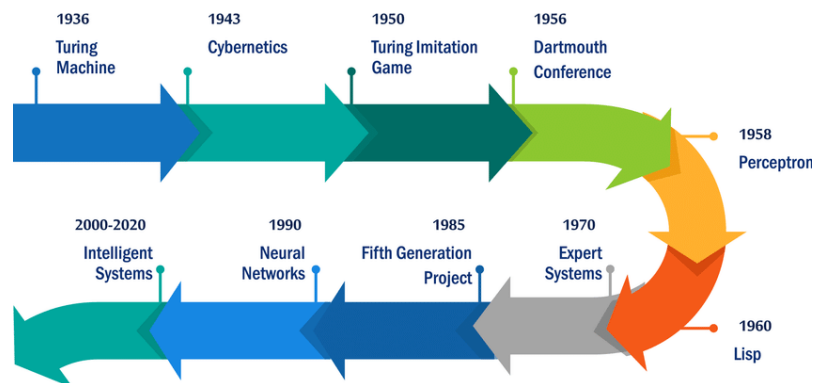
Software Engineering Technologies



Artificial Intelligence (AI) Technologies

Our Artificial Intelligence (AI) Technologies curriculum is carefully structured to provide a background in the various facets of AI and their applications in current industries. The curriculum typically begins with core courses that introduce students to the basics of machine learning, statistics of goal seeking, neural networks, deep learning, and generational transformers such as ChatGPT, which are the core technologies underpinning modern AI systems.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



Much of the core curriculum is dedicated to machine learning, where students become familiar with different training methods such as supervised, unsupervised, and reinforcement learning. Here, classic algorithms like regression, random forests, support vector machines, k-nearest neighbors, and neural networks are studied in detail. Students also gain hands-on experience in implementing these algorithms in Python and its frameworks such as Keras, Kubernetes, TensorFlow, and PyTorch.

Data capture/handling is another critical aspect, as AI heavily relies on training data. The curriculum covers data formats, preprocessing, feature extraction, and data visualization, teaching students how to work with large datasets, clean and organize data, and extract meaningful insights from it.

Deep learning, a subset of machine learning, is given special focus. Students delve into the workings of neural networks, exploring various architectures like convolutional neural networks (CNNs) for image processing and recurrent neural networks (RNNs) for sequential data like text and speech.

Natural Language Processing (NLP) and computer vision are key application areas of AI covered in the curriculum. In NLP, students learn about language modeling, text classification, sentiment analysis, and machine translation. Computer vision modules cover image recognition, object detection, and image generation, providing insights into how machines interpret visual information and produce virtual realities.

The curriculum also addresses the ethical and societal implications of AI, including discussions on privacy, bias in AI algorithms, and the impact of AI on employment and society. This holistic approach ensures that students are not only skilled in AI technologies but also aware of their broader responsibilities as AI practitioners.



Upon core completion, students are offered second tier (diploma level) courses and electives depending on individual goals and career center caps. These take two divergent paths, one with an emphasis on end use (pre-existing apps), and the other focused more on theory.

Electives typically include AI applications in domains such as robotics, autonomous vehicles, medical machines, financial modeling, law enforcement (forensics), and manufacturing production. Towards the end of the program, students may engage in capstone projects or internships that provide practical experience in applying AI to real-world problems.

Overall, our AI Technologies curriculum is designed to produce graduates who are well-versed in the theoretical and practical aspects of AI, equipped with the skills to develop and implement AI solutions across various industries.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are approved for WIOA, Trade Act, Section 30 and many other government grants. We also offer various other financing options.

Where to start? Our counselors are available to help put together a customized program to meet your needs. For a full description of the program please visit our website here <https://www.visible-edge.com/artificial-intelligence-technologies/>.



Artificial Intelligence (AI) for the Workplace

AI will not replace jobs. It will replace people who do not know how to utilize it. This program is specifically tailored to equip professionals with the knowledge and skills needed to understand, implement, and leverage AI technologies in a business context. This curriculum commences with an introduction to AI, providing a broad overview of its evolution, key concepts, and the various types of AI technologies such as machine learning, natural language processing (NLP), and robotics.



The focus then shifts to the practical applications of AI in the workplace vs. the actual development of AI applications.

We explore how AI can be used to enhance decision-making processes, automate routine tasks, and optimize business operations.



Available electives include, but are not limited to, using AI applications in human resources, sales, marketing, graphic design, finance, web development, content creation, social media, data analysis, IT, programming, project management, manufacturing, math and more.

This program includes lessons on data ethics, privacy, and the importance of using data responsibly in the workplace. We address the challenges and limitations of AI in the workplace,

such as dealing with biased algorithms, ensuring data security, and understanding the ethical and legal implications of AI use. These discussions are crucial for preparing students to anticipate and navigate potential pitfalls in using AI technologies.

Another critical component is the integration of AI into existing business processes. Students explore change management strategies, focusing on how to introduce AI technologies into an organization effectively. This includes understanding employee concerns, training staff to work alongside AI systems, and assessing the impact of AI on existing workflows.

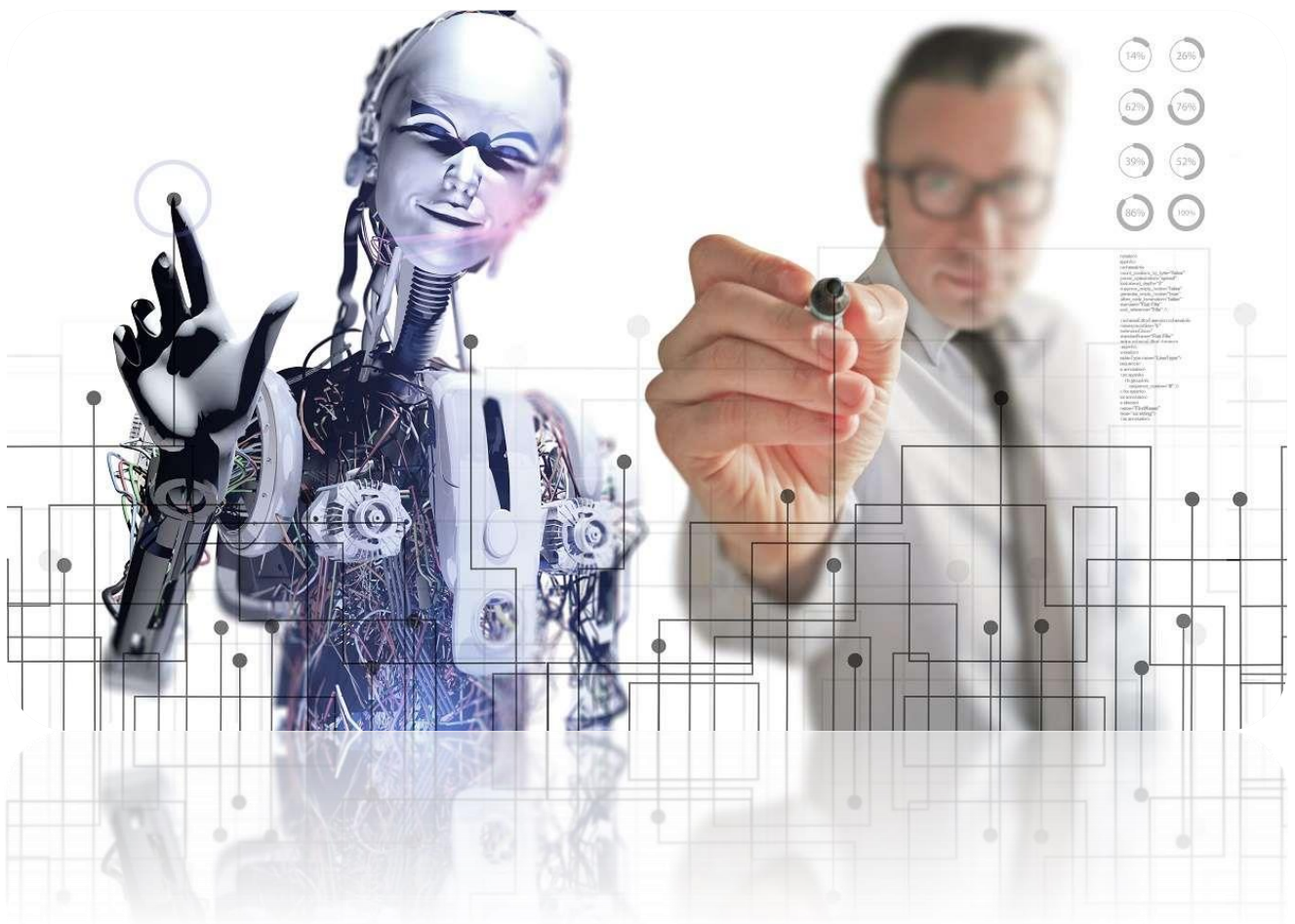
Students will receive hands-on experience, vital for understanding how to apply AI solutions to solve business problems effectively.

Overall, this AI for the Workplace curriculum aims to provide a comprehensive understanding of how AI can be used to enhance productivity, efficiency, and innovation in a business setting. It prepares professionals not just to understand AI technologies, but also to apply them strategically to drive business success.



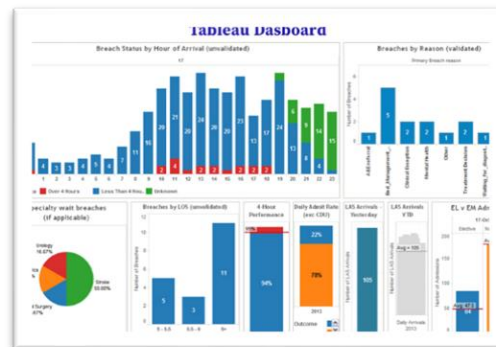
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Where to start? Our counselors are available to help put together a customized program to meet your needs. For a full description of the program please visit our website here <https://www.visible-edge.com/artificial-intelligence-workplace>.



Data Analytics Applications Specialist

The Data Analytics Applications Specialist program focuses on attaining or updating applications level skills used in the Data Analytics and Data Science fields. The proliferation of data across all sectors of the global economy has given rise these in-demand, booming fields. Data is transforming and powering business everywhere—from hospitals and cities to higher education and corporations. As a result, workforce needs have shifted dramatically.



In this program, you will start off learning industry standard analysis tools that are used in data technologies environments. Applications include Excel, Tableau, Python, SQL, Power BI and more. Successful graduates will also obtain an industry recognized **Data Analytics Professional Certification**.

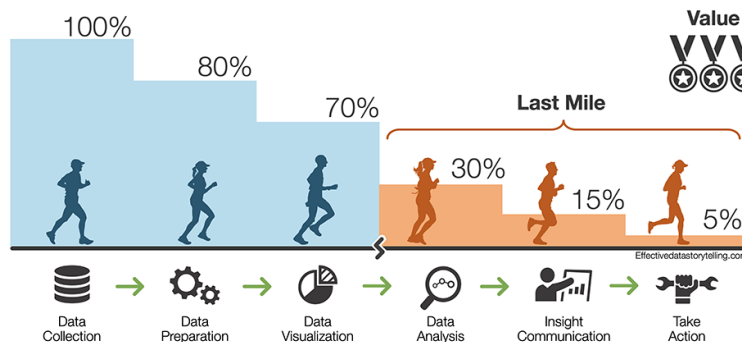


Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions. During the development of your training plan, you will be able to choose from a list of over 250 application related electives including Pandas, Python for Data Science and Machine Learning, DJANGO, Java, R Programming For Data Science, SQL, Postgre SQL, Data Analysis Essentials Using Excel,

The Numpy Stack in Python, C++, GIS & ArcGIS: ArcMap, ArcCatalog, ArcGlobe & ArcScene, LabVIEW, MATLAB, Statistics for Data Analysis Using Excel, Statistics Foundations with Minitab, Tableau, Git, Business Analysis Modeling Skills & Techniques (with Visio), Business Analysis: Data Flow Diagrams to Visualize Workflows, Business Analyst: Project Management Techniques and Tools (with Visio), Microsoft Access, Microsoft Excel Dashboards and Data Analysis, Advanced Excel Formulas & Functions, Excel VBA and Macros, plus many more including basic Microsoft Office courses in Word, PowerPoint, Outlook, OneNote and more.

If you do not already have prior experience in Data Analytics & Science, applicable discipline specific electives are available and can be taken as pre-requisites (for details see our “Data Analytics Technologies” and “Data Science & Machine Learning Technologies” programs for a list of additional available topics). Companies are searching for

Data Analytics Marathon



qualified candidates who possess both a deep understanding of the mechanics of working with data, and the capacity to identify and communicate the data-driven insights that ultimately influence business decisions. This has sparked a hot hiring market—and it is getting hotter. There is an estimated 2.3 million+ job openings today and experts predict that will swell to more than 2.7 million in the near future. Because qualified professionals are difficult to find, these analytics jobs pay quite well.

Got skills already? Expand your program to prepare for and obtain even higher-level competency in advanced applications such as machine learning and artificial intelligence (AI), which encompasses fields such as preference analysis, Natural Language Processing (NLP), and image processing.

Our Data Analytics Applications Specialist Program can also be taken 100% remotely or in-center, all with Live Instructors On-Demand. Whether you are a displaced service industry worker or an experienced user, our programs can be customized to provide the skillset required to obtain one of the many projected open positions in this field.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you. Learn data analytics and enter a path to a high-demand profession that will never lose importance, become obsolete, or decrease in value to companies - regardless of their size or industry. Big Data is here to stay!

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/data-analytics-applications-specialist/>



Data Analytics Technologies

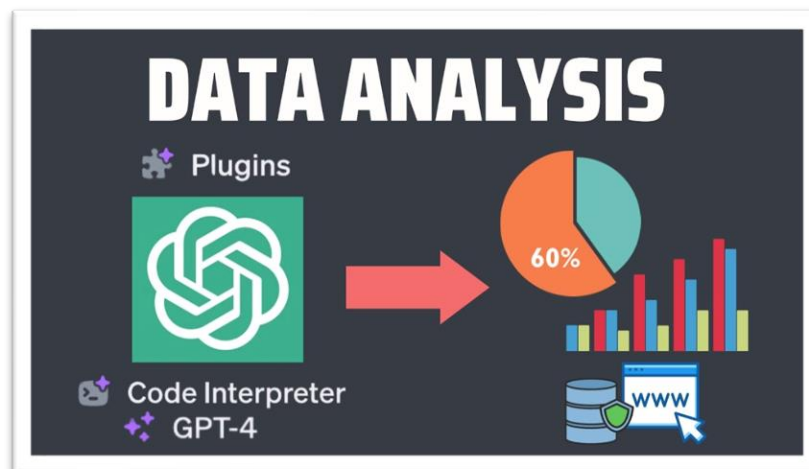
This program is one of our most advanced and in-depth programs to date - touching upon countless related ideas and processes to provide an extremely comprehensive knowledge set for anyone seeking a career in this burgeoning field. Successful graduates will obtain an industry recognized Data Analytics Professional Certification.

The proliferation of data across all sectors of the global economy has given rise to one of the most in-demand, booming fields today: Analytics. Data is transforming and powering business everywhere—from hospitals and cities to higher education and corporations. As a result, workforce needs have shifted dramatically.

Companies are searching for qualified candidates who possess both a deep understanding of the mechanics of working with data, and the capacity to identify and communicate the data-driven insights that ultimately influence business decisions. This has sparked a hot hiring market—and it is getting hotter. With more than 2.3 million job openings today, experts predict that in the near future, that number will swell to more than 2.7 million. And because qualified professionals are difficult to find, these analytics jobs pay quite well.

Our Data Analytics and Business Intelligence (BI) Program can also be taken 100% remotely or in-center, all with Live Instructors On-Demand. This Certificate level program was designed specifically for those who have little to no experience. Core courses include Business Data Analysis – Introduction, Computer Science 101: Master the Theory Behind Programming, Data Science Bootcamp, MySQL Bootcamp – Complete, and **Data Analytics Professional Certification Prep + Exam**.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.





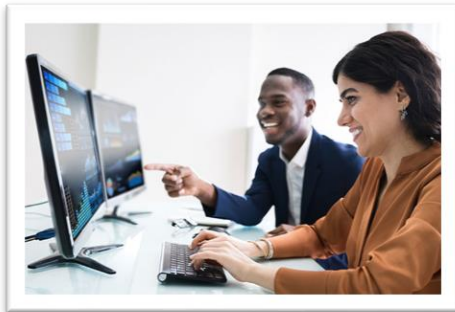
Got skills already? Expand your program to prepare for and obtain even higher-level competency in advanced applications such as machine learning and artificial intelligence (AI), which encompasses fields such as preference analysis, Natural Language Processing (NLP), and image processing.



Additional Electives include Python, Data Analysis with Pandas and Python, Statistics for Data Science and Business Analysis, Power BI (Microsoft), Probability & Statistics Essentials, Data Science & Deep Learning for Business, Python for Data Science and Machine Learning, DJANGO & Python, Data Wrangling & Visualization with Python, Java, R Programming For Data Science, Applied Statistical Modeling for Data Analysis in R, SQL & Data Base Design + Postgre SQL, Data Analysis Essentials Using Excel, Deep Learning Prerequisites: The NumPy Stack in Python, C++, GIS & ArcGIS: ArcMap, ArcCatalog, ArcGlobe & ArcScene, LabVIEW, MATLAB, Root Cause Analysis and the 8D Corrective Action Process, Statistics for Data Analysis Using Excel, Statistics Foundations with Minitab, Tableau, Git, Business Analysis Modeling Skills & Techniques (with Visio), Business Analysis: Data Flow Diagrams to Visualize Workflows, Business Analyst: Project Management Techniques and Tools (with Visio), Project Management Essentials, Microsoft Access, Microsoft Excel Dashboards and Data Analysis, Advanced Excel Formulas & Functions, Excel VBA and Macros, plus many more including basic



Microsoft Office courses in Word, PowerPoint, Outlook, OneNote and more.



Whether you are a displaced service industry worker or an experienced IT user, our programs can be customized to provide the skillset required to obtain one of the many projected open positions in this field.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you.

Learn data analytics and enter a path to a high-demand profession that will never lose importance, become obsolete, or decrease in value to companies - regardless of their size or industry. (Big) Data is here to stay! Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/big-data-analytics-and-business-intelligence/>



Data Science & Machine Learning Technologies

This program is one of our most advanced and in-depth programs available – exploring the fields of Natural Language Processing (NLP), Machine Vision and Deep Learning.



What is the difference between a Data Analyst (Engineer) and a Data Scientist? Data Analysts do a set of operations known as ETL (extract, transform, load), collecting data from one or more sources, apply some transformations, and then load into a different source. Data Scientists work on that data and put it to use, like creating text from speech, recognizing someone's biological characteristics to allow access to something, teaching a machine what to pick up or a car what to avoid. In all but the largest companies, most Data Scientists have to wear both hats... and we can train you for that!

Big Data is everywhere, and as the volume of data that every individual generates grows exponentially, the skills required to manage and put that data to use will only grow in demand. Companies are searching for qualified candidates who possess both a deep understanding of the mechanics of working with data, and the capacity to identify and communicate the data-driven insights that affect our daily lives. Because qualified professionals are difficult to find, these data science jobs pay quite well.

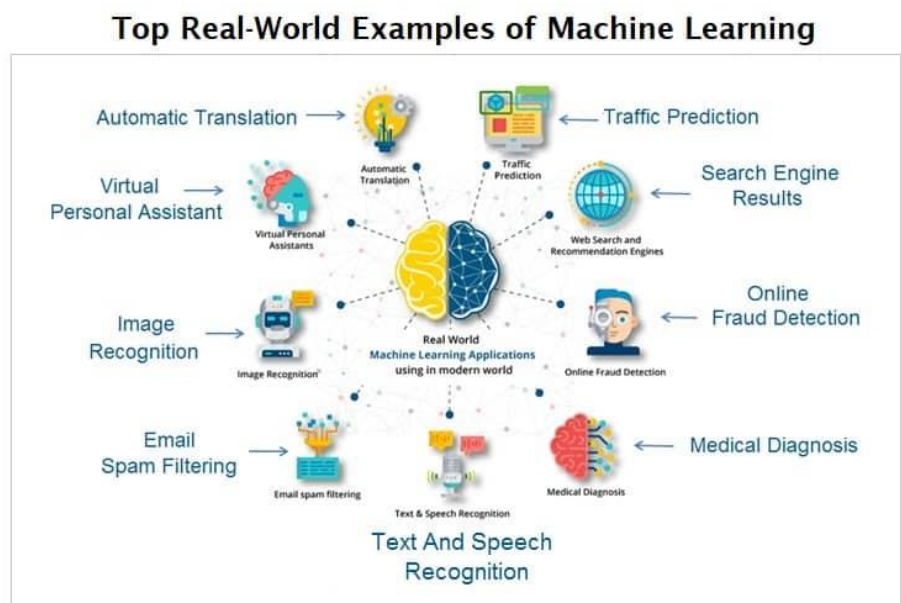
Core courses topics include Data Wrangling & Visualization, Statistics, SQL, Tensorflow and Keras Deep Learning, Computer Vision with OpenCV and Deep Learning, Natural Language Processing (NLP), and PyTorch for Deep Learning with Python. The program also includes a Machine Learning course developed by one of the most globally renowned data scientists in the industry and includes a Certificate from an equally renowned university. Machine Learning and Artificial Intelligence (AI) encompasses fields such as Preference Analysis, Natural Language Processing (NLP), and Image Processing.

Additional Elective topics include Excel, Data Visualization, Statistics, Python for Data Science and Machine Learning, Data Analysis with Pandas and Python, R Programming For Data Science, MySQL, Power BI, Probability & Statistics, DJANGO, Java, Applied Statistical Modeling, SQL & Data Base Design + Postgre SQL, Data Analysis Essentials Using Excel, The Numpy Stack in Python, C++, GIS & ArcGIS: ArcMap, ArcCatalog, ArcGlobe & ArcScene, LabVIEW, MATLAB, Statistics Foundations with Minitab, Tableau, Git, Project Management Essentials, Microsoft Access, Excel Dashboards and Data Analysis, Advanced Excel Formulas & Functions, Excel VBA and Macros, plus many more including basic Microsoft Office courses in Word, PowerPoint, Outlook, OneNote and many more!

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Our Data Science and Machine Learning Technologies Program can also be taken 100% remotely or in-center, all with Live Instructors On-Demand.

Whether you are a displaced service industry worker or an experienced professional, our programs can be customized to provide the skillset required to obtain one of the many projected open positions in this field. As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



With over 30 years of experience in Information Technology, Visible Edge has been servicing our customer base of over 600 companies, providing everything from basic computer workstations to full network implementations. These programs share our vast industry knowledge with you.

Learn data science and enter a path to a high-demand profession that will never lose importance, become obsolete, or decrease in value to companies - regardless of their size or industry. (Big) Data is here to stay!

Our counselors are available to help put together a customized program to meet your needs.

For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/data-science-and-machine-learning-technologies/>

GIS and Digital Cartography Technologies

The GIS and Digital Cartography Program focuses on teaching the required discipline and applications used by people in this field. Cartography is the art of creating maps with interpreted data. A cartographer, or mapmaker “digitally” illustrates the visualization of data with some spatial dimension. GIS is a model of such data in a computer environment. Using GIS, we can simplify, focus, or generalize information in maps with multimedia and annotation.

With the massive investments in infrastructure funding, those knowledgeable in GIS Technology will be poised to benefit from this economic opportunity. Additionally, maps and digitized cartographic products are in high demand in a countless multiplicity of industries such as construction, mining, resource management, demographic analysis, aerospace, property survey, law enforcement, smart agriculture, and outdoor recreation.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Our GIS and Digital Cartography program is one of our most advanced and in-depth programs to date – touching upon countless related ideas and processes to provide an extremely comprehensive knowledge set for anyone seeking a career in this expanding field.

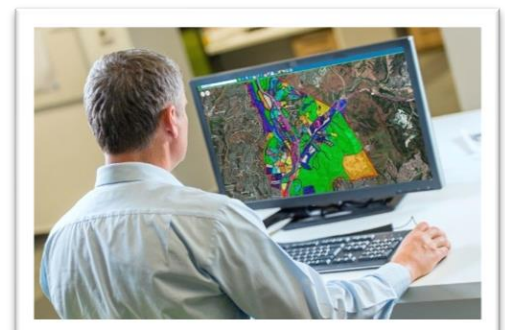
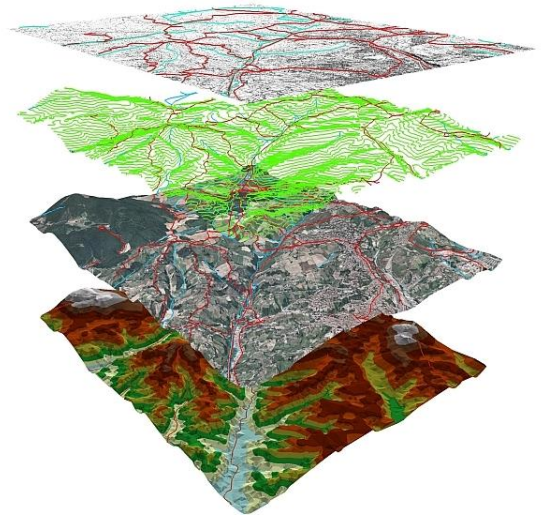


You'll first be introduced to an overview of GIS fundamentals and learn about the various types and formats of cartographic data, how it is collected, stored, processed, and the various sensors involved. Students will be afforded ample opportunity to engage in hands-on data reduction and map drafting exercises using both open-source and licensed software such as ENVI,

QGIS, and the ESRI ArcGIS family of products. At each step, graded courses will introduce you to ancillary applications that facilitate map creation such as input parsers, database management functions, file format handlers, scripting languages, and graphics routines to output beautiful publish-ready 2D and 3D displays.

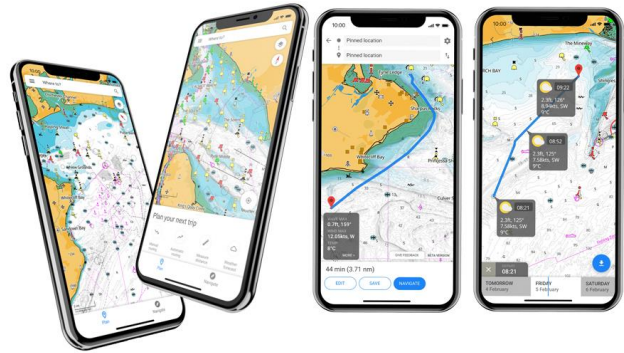


Discover aspects of the GIS industry above and beyond simple map drafting through your elective courses and investigate sophisticated tools in the Python and R libraries that vastly extend the

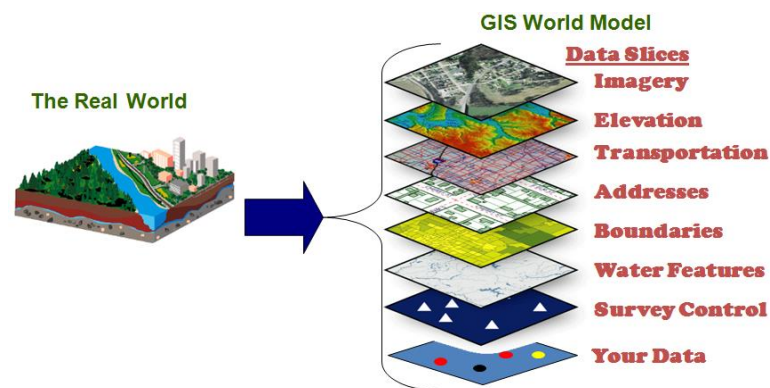


power of ArcGIS and QGIS through the coding of macros and API (Application Interface) calls and allow the construction of complex layered terrain models.

Additional core topics include Basic Statistics, Google Earth Engine (GEE), GIS Database Management, Python, GeoPandas, ArcPy, PyQGIS, API macros, NumPy, SciPy, Spatial analysis with the R language and QGIS, GIS Instrumentation: Optics, Radar, LIDAR, Drones, Aerial & Space-born platforms, Fundamentals of Map-making using ArcGIS Pro, GIS in the Cloud: Web Programming, and a GIS certification course.



A vast range of electives is also included in the program to expand your skill set, strengthen your knowledge, increase your employment marketability, and give you a competitive edge. This flexible, comprehensive program was designed to accommodate individuals of all skill levels – from beginner to advanced. Elective topics include land cover and vegetation analysis, flood plain delineation, smart agriculture: crop assessment, satellite image processing, ground surveying, mapping applications for mobile phones with Leaflet, aerial photogrammetry, cartography and mapping with Surfer, prediction maps,



machine learning in GIS, object-oriented GIS programming in Python, and drone image analysis.

You will have the opportunity to earn an industry recognized **Certification in Geographic Information Systems!**

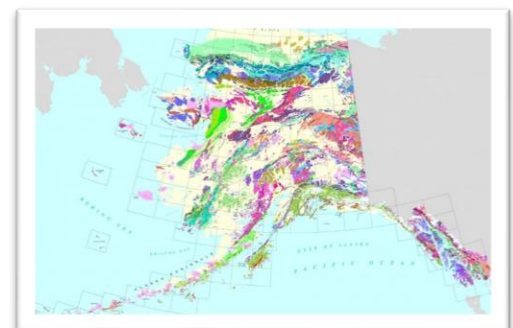
You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite

of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, plus more!

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



Where to start? Our counselors are available to help put together a customized program to meet your needs.



For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/gis-and-digital-cartography/>

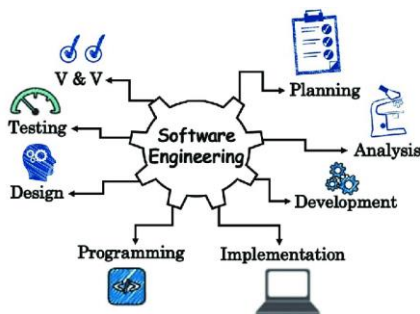
Software Engineering Technologies

This flexible program was designed to accommodate beginners to advanced individuals. For those new to software technologies, it begins with teaching basic programming best practices to ensure you are properly prepared to learn and manage more advanced software functions. Coursework and labs teach and prepare students to obtain **Industry-Recognized Certifications** from major industry players such as Microsoft, Amazon (AWS) and Oracle to name a few.



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

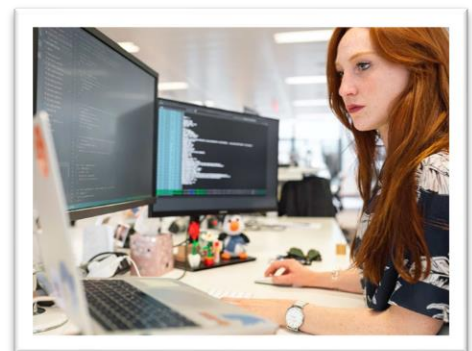
Unlike most learning institutions whose programs focus on one language, our Software Engineering Technologies Program allows you to select multiple learning tracks from all the major languages and tools, further increasing your opportunities in the job market. You may choose multiple options from the following developer tracks:



Python, Android Mobile Apps, Angular, ASP.NET, AWS DevOps Engineer, C#, C++, Database, DevOps Engineer, Docker, Full-Stack Web Developer, Hadoop/NoSQL Data Science Stack Advanced, HTML, Java, Cloud-Native Infrastructure with Kubernetes, MEAN Javascript, Software Development Fundamentals, Node.js Developer & Node.js Advanced Skills, PHP Developer, Software Web Developer, Software Tester, SQL for Data Science, SQL Development, Java, MySQL, Docker Administrator, Test Automation Engineer, AWS Data and DevOps Specialist, AWS

Essential Training, AWS Certified Database Specialty, AWS Certified Developer, Windows Presentation Foundation (WPF) Essentials, and Salesforce Certified Platform Developer Tracks.

A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates. Elective topics include individual courses and bootcamps for LabVIEW, R Programming, Natural Language Processing (NLP), Deep Learning, The Numpy Stack, Cucumber, Docker, Kubernetes, Git, Apache Kafka, MongoDB, Oracle Database 19c: PL/SQL, Data Wrangling & Visualization with Python, Python for Computer Vision with OpenCV and Deep Learning, PyTorch for Deep Learning, Python for Data Science and Machine Learning, DJANGO, Scala, Spark for Machine Learning & AI, Spark SQL and DataFrames, Visual Basic for Applications (VBA), SAP, Access, Windows Operating Systems, Cybersecurity, Cloud Computing, plus many more including all Microsoft 365 applications.





As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

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<https://www.visible-edge.com/software-engineering-technologies/>



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MANAGEMENT & OFFICE ADMINISTRATION

Business Process Improvement Technologies

Entrepreneurship & Business 101 Technologies

Human Resources (HR) Technologies

Project Management (PMP/CAPM/PM)

Office Administration & Support Technologies



Business Process Improvement Technologies

Our Business Process Improvement Technologies curriculum is designed to equip students with the knowledge and skills required to analyze, design, implement, and optimize business processes using modern technological tools. The curriculum typically begins with an introduction to the fundamentals of business processes, including their definition, significance, and the various methodologies used for process improvement, such as Lean, Six Sigma, and Total Quality Management.

This program is designed for individuals with current working experience in any industry. Been working in a role where you understand current business processes? Want to move up to the next level? This program is for you!



Subject matter includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Students will have the opportunity to earn industry recognized Certifications in areas such as Lean Management, Six Sigma, Project Management, and many other disciplines.

A significant focus of the curriculum is on understanding and utilizing information technology tools and systems that support business process improvement. This includes learning about Enterprise Resource Planning (ERP) systems, Customer Relationship Management (CRM) systems, and Supply Chain Management (SCM) systems. Students explore how these systems can integrate various functions of an organization, streamline operations, and provide real-time data for decision-making.

Another crucial area covered is the analysis and mapping of business processes. Students learn techniques for modeling business processes, identifying inefficiencies, and determining areas for improvement. This often involves the use of specific software tools for process mapping and analysis, such as BPMN (Business Process Model and Notation) tools.

The curriculum also delves into data analysis and decision-making. Students are taught how to collect, analyze, and interpret data to make informed decisions about process improvements. This includes training in statistical analysis, data visualization, and the use of data analytics tools.

Change management is a key component, where students learn strategies for managing organizational change associated with process improvements. This includes understanding the human factors in process improvement, such as leadership, team dynamics, and communication strategies necessary for successful implementation of new processes.



Project management is another integral part of the curriculum, focusing on the skills needed to plan, execute, and manage projects related to business process improvement. Students learn about project management methodologies, tools, and best practices.

In addition to these core areas, the curriculum often includes elective topics such as the role of artificial intelligence and machine learning in process improvement, the impact of digital transformation on business processes, and the use of cloud computing in enhancing business efficiency.

Throughout the program, practical application is emphasized. Students typically engage in case studies, project work, and simulations to apply their learning in real-world contexts. They may also collaborate with businesses or undertake internships to gain practical experience in applying technology-based process improvement strategies.

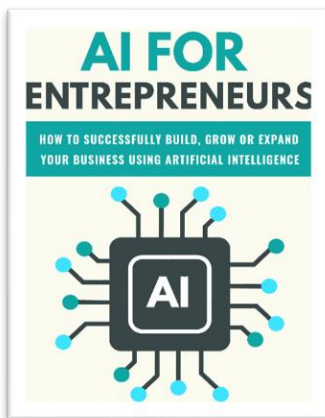
Overall, a Business Process Improvement Technologies curriculum aims to develop professionals who are adept at using technology to analyze and improve business processes, thereby enhancing organizational efficiency, effectiveness, and adaptability in a rapidly changing business environment.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are approved for WIOA, Trade Act, Section 30 and many other government grants. We also offer various other financing options.

Where to start? Our counselors are available to help put together a customized program to meet your needs. For a full description of the program please visit our website here: <https://www.visible-edge.com/business-process-improvement-technologies/>.

Entrepreneurship & Business 101 Technologies

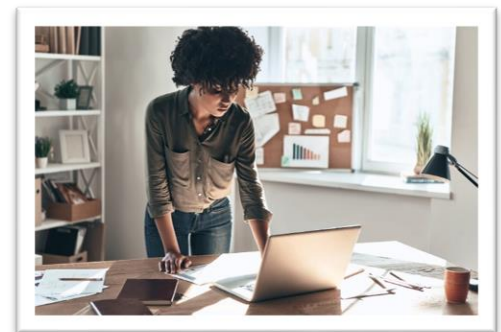
Our Entrepreneurship and Business curriculum is designed to provide students with a comprehensive understanding of the principles, strategies, and practices essential for starting and managing successful business ventures. This curriculum begins with the fundamentals of negotiations, sales, marketing then dives into entrepreneurship, introducing students to the concept of entrepreneurial mindset, the characteristics of successful entrepreneurs, and the process of identifying and evaluating business opportunities.



This program is designed for individuals who have a hunger to strike out on their own, including those who have successfully or unsuccessfully started a prior business venture. Students will have the opportunity to earn industry recognized Certifications in areas such as Entrepreneurship Coaching, Lean Management, Leadership, Project Management and many other disciplines.

Subject matter includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools for building your business.

Marketing and sales are a crucial part of the curriculum. Students learn negotiation and sales techniques, creating marketing strategies, branding, and digital marketing. This often includes studying consumer behavior, pricing strategies, and the use of social media and other digital platforms for marketing. These topics are intentionally placed at the beginning of the program. In our eyes, these are the most important predictors of the success of a business venture. If you cannot or are not willing to learn effective sales and marketing techniques, you will not survive in business.

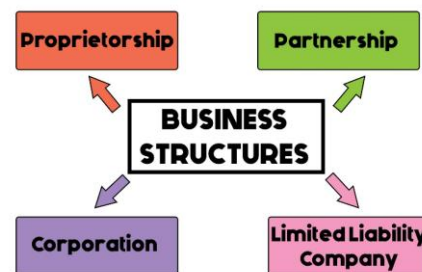


Another core component of the curriculum is business planning and strategy. Here, students learn how to develop effective business plans, which include market analysis, competitive strategy, and financial planning. This section covers methods for conducting market research, understanding customer needs, and positioning a product or service in the market.

Additionally, students explore different business models and strategies for growth and sustainability.



Financial management is another crucial area, where students are taught the basics of financial accounting, budgeting, and managing cash flow. This includes understanding financial statements, raising capital, and financial forecasting, essential skills for ensuring the financial health of a new venture.



Depending on electives chosen, the curriculum has options to delve into the operational aspects of running a business, such as supply chain management, product development, and service delivery. It explores how to effectively manage business operations to maximize efficiency and customer satisfaction.

Legal and ethical considerations are offered as well, providing insights into the legal framework surrounding business operations, including intellectual property rights, contracts, and regulatory compliance. These topics often emphasize the importance of ethical decision-making in business.



Leadership and team management are critical subjects, focusing on the skills necessary to lead and motivate teams, manage human resources, and foster a productive organizational culture.



Moreover, our program incorporates experiential learning through projects, case studies, or even interactions with successful entrepreneurs. We help students apply theoretical knowledge to real-world business scenarios.

Lastly, contemporary elective topics such as social entrepreneurship, sustainability, global business environments, and the impact of technology on business innovation are also offered, reflecting the dynamic nature of the entrepreneurial landscape.

Overall, our Entrepreneurship and Business curriculum aims to equip aspiring entrepreneurs with a well-rounded understanding of how to start, develop, and manage a successful business, blending foundational knowledge with practical skills and contemporary insights.



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are approved for WIOA, Trade Act, Section 30 and many other government grants. We also offer various other financing options.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs. For a full description of the program please visit our website here: <https://www.visible-edge.com/entrepreneurship-business-technologies/>.

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Human Resources (HR) Technologies

Our Human Resources (HR) curriculum encompasses a wide range of topics designed to equip students with the knowledge and skills necessary for managing an organization's workforce effectively. The curriculum starts with an introduction to the fundamentals of HR, covering the history and evolution of the field, and the role of HR in today's business environment.



This program is designed for both absolute beginners and current industry specialists. Been working in the Human Resources field and want to move to the next level? This program is for you!

This program focuses on acquiring certifications from industry leading organizations including but not limited to SHRM-CP, SHRM-SCP, aPHR, PHR, SPHR & GPHR.



A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

Subject matter includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Key areas of study include recruitment and selection, where students learn about job analysis, sourcing candidates, selection methods, and the legal aspects of hiring.

Training and development is another critical component, focusing on how to assess training needs, design and implement training programs, and evaluate their effectiveness.



Compensation and benefits are also covered, teaching students about salary structures, incentive plans, benefits administration, and compliance with related laws.

Employee relations is another vital subject, exploring topics like employee rights, labor relations, conflict resolution, and maintaining a positive work environment.

Performance management, a cornerstone of HR, is studied in detail, including setting performance

standards, conducting evaluations, and managing underperformance. Additionally, the curriculum often delves into strategic HR management, where students learn how HR policies and practices align with the overall business strategy.

Depending on chosen electives, the curriculum may also include contemporary topics like diversity and inclusion, HR technology, and international HR management, reflecting the evolving nature of the workforce and workplace. Ethical issues in HR and the impact of globalization on HR practices are other potential areas of study.

Throughout the curriculum, there's a strong emphasis on real-world application, often through case studies and project work. This ensures that students not only understand the theoretical aspects of HR but are also prepared to apply these concepts in practical settings.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are approved for WIOA, Trade Act, Section 30 and many other government grants. We also offer various other financing options.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs. For a full description of the program please visit our website here: <https://www.visible-edge.com/human-resources-technologies/>.

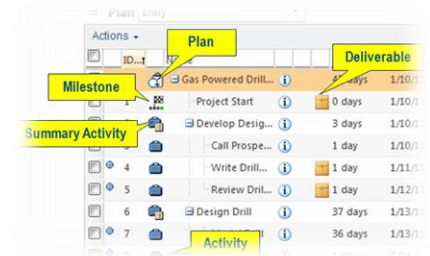


Project Management (PMP/CAPM/PM)



This program prepares you for a choice of Project Management Certifications including, but not limited to PMP® (Project Management Professional) Certification Exam, CAPM® (Certified Associate in Project Management) Exam or the PM (Project Management) Exam.

This program is designed to prepare you for roles that focus on Project Management. Process Improvement electives such as TQM, Lean Manufacturing, Six Sigma, Agile, Scrum, Kaizen, and others will round off your educational experience. With a focus on Project Management, you will also learn how to navigate, view, create and manage information within a departmental and enterprise-level system including how to manage assigned tasks, product structures and changes, and how to effectively plan and create project management strategies. Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

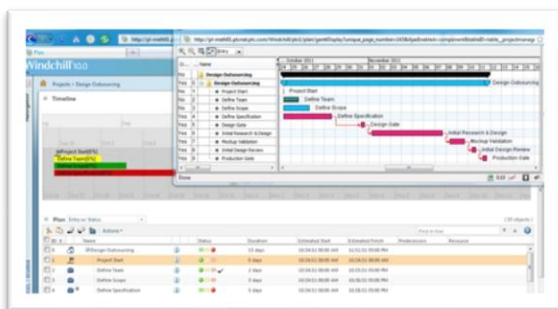


Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



The core coursework will focus on your choice of **Project Management Professional (PMP)® Certification, Certified Associate in Project Management (CAPM)® Certification, or Project Management (PM) Certification** Prep & Exam, based on your current qualifications.

Topics include Project Management Framework, Project Management Processes, Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project



HR Management, Project Communications Management, Project Risk Management, Project Procurement Management, Project Stakeholder Management, Professional and Social Responsibilities, PMP/CAPM/PM Exam tips and tricks. Cost of tests & books Included while enrolled.

You will be taught industry-standard skills and tools used by major discreet manufacturers and product development companies. Basic technical documentation training is also available. A wide range



of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

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Office Administration & Support Technologies

Looking to get back into the working world? Need to update your office skills? Looking to make a career move to the front office? This program covers basic to advanced office support and management skills required to provide the crucial services needed to keep any modern company ticking. Industry recognized Certifications included.



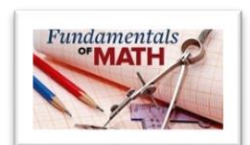
We have core courses available starting with Administrative Professional Foundations, Microsoft Teams, OneNote, Outlook, Word, Planner, Excel, and PowerPoint Mastery. Next you will be introduced to Bookkeeping Basics Parts 1-3 covering the Fundamentals and Mechanics of bookkeeping, finishing off with QuickBooks™ Fundamentals. You will also learn the



basics of Computer File Organization. The core curriculum finishes up with **Microsoft Office Specialist Associate Certifications** in Outlook and Word. Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



Concerned you are not ready for the challenge? We have introductory level courses in the very basics of modern computer usage, American English Pronunciation for Beginners (ESL), Typing 101, ESL Business English Course, and Fundamentals of Math. We have a long list of additional electives to choose from covering topics such as:



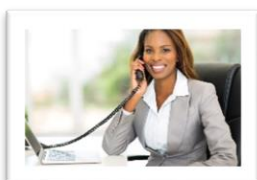
Office Productivity:

Time & Calendar Management, Office Administration in Legal Environments, Improving Presentations, Small Office Networking, Remote/Home Office Organization, Time Management, Event Planning, Project Management, Lean & Agile Project Management. Microsoft Windows, Teams, Outlook, OneNote, Word, Excel, PowerPoint, Access, Flow, Forms, Planner, Project, Publisher, SharePoint, Stream, Sway, Teams, Visio, Lists, OneDrive, and more... plus Prep for Certifications in Microsoft Office 365 Associate Specialist for Outlook, Word, Excel, PowerPoint, and Access.



Workplace Behavior & Human Interaction

Business Etiquette & Communication Skills for Email, Texting, Phone, Conference Calls, Meetings, Meals, and Networking Events. Security & Cybersecurity Awareness, First Impressions and Body Language. Human Resource (HR) Fundamentals, Interview & Remote Interviewing Techniques, Resume Writing, Inclusion During Difficult Times, Conflict Management, Navigating Awkward Situations at Work, Managing Depression in the Workplace, Negotiating Skills, Interacting with Work Colleagues, Balancing Work and Life as a Work-from-Home Parent.



Accounting, Bookkeeping & Document Management:

Accounting & Finance Foundations, Forensic Accounting: Fraud Investigation, Cost/Management. HIPAA for the Medical Office, Medical Billing & Coding, Office Organization, Document & Data Management & Retention, Relational Databases, Data & Personal Privacy in the Workplace, GDPR Compliance, SAP – Essentials, PLM, MM, S/4 Hana, and SD.



Graphics & Animation for Business:

Graphic Design, Marketing Strategy, Adobe Illustrator, InDesign, and Photoshop, Camtasia for Video-Based Business Communication and more.



Language – Beginning to Advanced (A1-C1) Grammar:

English Grammar, Business English for Service Staff, ESL English: Introduction to Understanding Native English Speakers, American Slang, Writing with Proper Punctuation & in Plain English, and Multinational Communication.



Sales, Service, Data Analysis & Programming:

Salesforce Online Essentials, Customer Service Call Control Strategies, Tech Simplified: Everyday Tech Questions



Business Data Analysis – Introduction, Data Analysis Essentials Using Excel, Computer Science 101, Python Programming to Automate, SQL (Microsoft) Fundamentals, Visual Basic Applications (VBA) Programming.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



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ROBOTICS, MANUFACTURING, & PRODUCTION

Advanced Manufacturing Technologies

Manufacturing Applications Specialist

Production Technologies

Robotics & the Internet of Things (IoT) Technologies



Advanced Manufacturing Technologies



The Advanced Manufacturing Technologies program focuses on how companies manage, improve, and automate their core manufacturing and production processes. If a student does not already have a thorough understanding of these core processes, applicable electives are available and can be taken as pre-requisites (for details on this 4-part “Manufacturing Processes and Sciences” series please see our “Production Technologies” program).

In this program, you will start off learning skills and concepts in the emerging field of Additive Manufacturing (3D Printing). Through our partnership with the Society of Manufacturing Engineers (SME) you will have the opportunity to test and receive an industry-recognized **Additive Manufacturing Certification from the SME**.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



Additional core courses include a series on the Introduction to Lean Manufacturing & Six Sigma. Topics covered include Lean Manufacturing Overview, Continuous Process Improvement: Managing Flow, Continuous Process, Improvement: Identifying and Eliminating Waste, Developing a Lean Culture, Total Productive, Maintenance, 5S

Overview, Cell Design and Pull Systems, Intro to Six Sigma, Troubleshooting, Conducting Kaizen Events, SPC Overview, Metrics for Lean, Process Flow Charting, Strategies for Setup Reduction, Total Quality Management Overview, Management Tools: Problem Solving, Management Tools: Product and Process Design, Value Stream Mapping: The Current State, Six Sigma Goals and Tools, Value Stream Mapping: The Future State, Maintaining a Consistent Lean Culture, Transforming Lean into Business Results, Measuring Lean Systems.

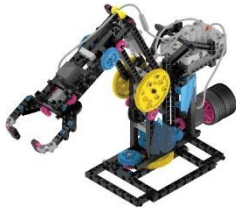
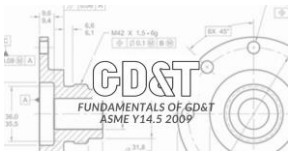


Next, you will learn about Quality Fundamentals and review topics like Quality Overview, ISO 9000 Review, ISO 9001:2015 Review, Approaches to Maintenance, Process Design and Development, Product Design and Development, Production System Design and Development, Equipment/Tool Design and Development, Intro to Supply Chain Management, Quality and Customer Service, Conducting an Internal Audit, TS 16949:2009 Overview, IATF 16949:2016 Overview.

You will finish your core training with a Lean Six Sigma Green Belt Professional Certification Prep course and will be given the opportunity to test for the industry recognized **Lean Six Sigma Green Belt Certification**, all included in the price of your program.



today's **LEAN** HEALTH CARE MANUFACTURING CONSTRUCTION



During the development of your training plan, you will be able to choose from a list of over 250 related electives that include topics such as Robotics Fundamentals, Cybersecurity for Manufacturing Fundamentals, Lean Six Sigma Healthcare Green Belt Certification Prep + Exam, Lean Management Certification Prep + Exam, TQM (Total Quality Management) Certification + Exam plus many courses deep diving into CAD/CAM applications like SolidWorks, AutoCAD, Inventor, Revit, Creo and MasterCAM, Production Fundamentals, Python, LabVIEW, Tableau, Data Analytics, SQL, Statistics, Data Visualization, PLC Programming, R-Programming, Cybersecurity, Process Improvement, Risk Management, Agile, Scrum, Value Stream Mapping, Kanban, Kaizen, GD&T, Robotics, Fundamental to Advanced Mathematics, Microsoft Applications plus more!



Our partnership with the Society of Manufacturing Engineers (SME) allows our qualified students to also attain the industry-recognized **SME Certified Manufacturing Associate (CMfgA) credential** and **SME Certified Manufacturing Technologist (CMfgT) credentials**.



These in-demand and unique electives and credentials will increase your employment marketability over other traditionally trained candidates.

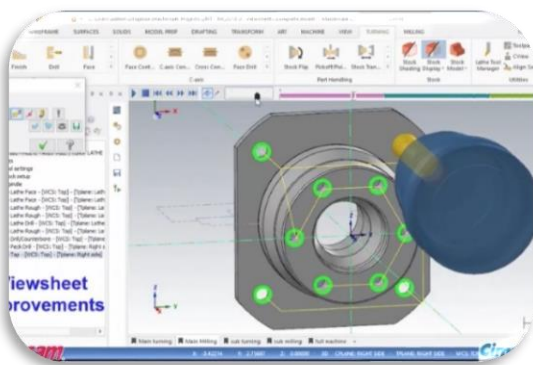
As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/advanced-manufacturing-technologies/>



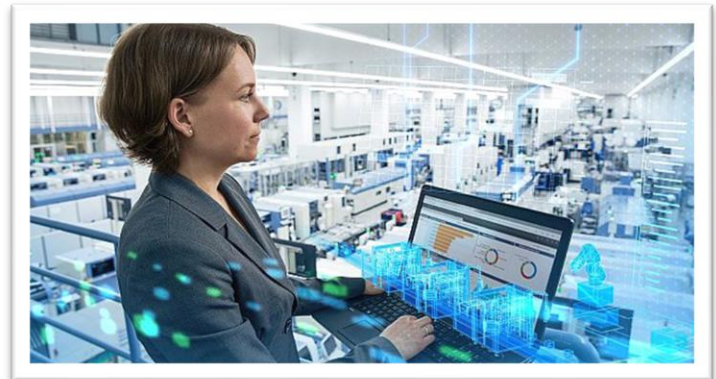
Manufacturing Applications Specialist

The Manufacturing Applications Specialist program focuses on attaining or updating applications level skills used by companies in managing, improving, and automating their core manufacturing and production processes. If a student does not already have a thorough understanding of the core processes, applicable electives are available and can be taken as pre-requisites (for details on this 4-part “Manufacturing Processes and Sciences” series please see our “Production Technologies” program).



In this program, you will start off learning an industry standard CAD tool that is used in many manufacturing environments for creating assembly documentation, redlining part and assembly drawings for required changes, redesigning for manufacturability and assembly, and documenting as-manufactured and as-built status of shipped products. Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

During the development of your training plan, you will be able to choose from a list of over 300 related electives that include topics such as SolidWorks, AutoCAD, Inventor, Revit, SketchUp, Creo and MasterCAM, Visio, Python, LabVIEW, MATLAB, Tableau, SQL, PLC Programming, Arduino, R-Programming, Robotics, SAP, Microsoft Project, Teams, Flow, Excel, Word, PowerPoint, Access, Visual Basic for Applications (VBA), plus more!



Students will also be offered the opportunity to learn skills and concepts in the emerging field of Additive Manufacturing (3D Printing). Through our partnership with the **Society of Manufacturing Engineers (SME)** you will have the opportunity to test and receive an industry-recognized **Additive Manufacturing Certification** from the SME.



While the primary focus of this program is to teach applications, you will also have access to additional discipline related electives such as a series on the Introduction to Lean Manufacturing & Six Sigma plus much more! Please see our “**Advanced Manufacturing Technologies**” program for a list of available topics.

You will also be given the opportunity to select and test for industry-recognized credentials in various subjects, all included in the price of your program.

Our partnership with the Society of Manufacturing Engineers (SME) allows our qualified students to also attain the industry-recognized **SME Certified Manufacturing Associate (CMfgA) credential** and **SME Certified Manufacturing Technologist (CMfgT) credentials**.

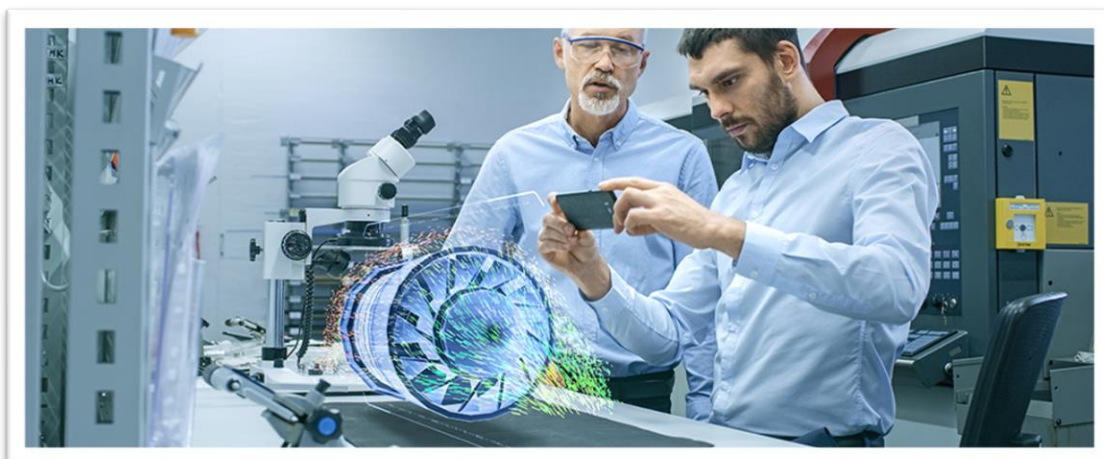
Our extensive list of electives and credentials will increase your employment marketability over other traditionally trained candidates.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs.



For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/manufacturing-applications-specialist/>



Production Technologies



This program teaches the basics of production processes focusing on fabrication, assembly, and machine operation functions. Our partnership with the Society of Manufacturing Engineers (SME) allows our students to also attain the industry **Certified Manufacturing Associate (CMfgA)** credential which is the only certification in the manufacturing industry that is focused on basic manufacturing concepts and demonstrates an individual's potential for high-demand, entry-level careers, including assemblers, manufacturing associates, and production workers.

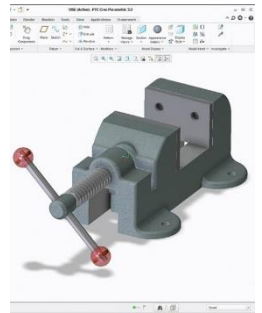
Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

You will begin your studies with part 1 of a 4-part overview of Manufacturing Processes and Sciences series covering introductory courses on topics such as Introduction to Additive Manufacturing (3D Printing), CNC Machines, Assembly, Tools for Threaded Fasteners, Math Fundamentals, Units of Measurement, Physical & Mechanical Properties, Metals, Plastics, Mechanical Systems, Fluid Systems,



Adhesive Bonding, Coating Composition, Fastener Ergonomics, Composite Processes, Applied & Engineering Sciences, and Manufacturing Process Applications.

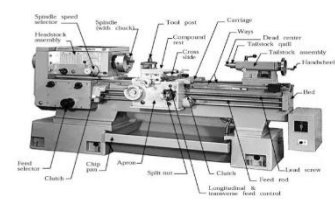
Next, you will be introduced to a state-of-the-art CAD system learning to create 3D parametric geometry and drawings. For those without a drafting background, there is an optional Engineering Drawing & Graphics course. CAD skills open the door to the production technologist to create shop floor assembly procedures using the data that has already been created by the engineering & design department. Use of that data allows the technologist to create 2D & 3D assembly procedures, photorealistic renderings & animations to be used in the production & assembly process.



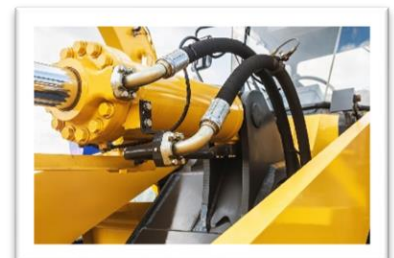
Part 2 of the overview of Manufacturing Processes and Sciences series covers introductory topics including Basic Measurement, Basics of Tolerance, Blueprint Reading, 5S, Troubleshooting, Quality, EDM, Machine Tools, Screw Machining, Abrasives, Press Basics, Punch and Die Operations, Bending Fundamentals, Basic Additive Manufacturing Process, Welding, Welding Processes, Geometry Fundamentals for Welding, Algebra Fundamentals & Shop Geometry.



Next you will jump back on the CAD system and learn the Essentials for Part & Assembly modeling and the creation and manipulation of CAD drawings. These skills will enable you to create assembly procedures and provide feedback to the engineering and design department for suggested design for manufacturability changes.



Part 3 of the overview of Manufacturing Processes and Sciences continues intro topics including the Introduction to Robotics, Robot Safety, Bloodborne Pathogens, Intro to OSHA, Ergonomics, Workholding, Fixture Body Construction, Fixture Design Basics, Manual Mill & Engine



Lathe Basics, Basic Cutting Theory, Control Devices, Distribution Systems, Electrical Units, Circuits, Magnetism, Hydraulic & Pneumatic Components, Fluid Conductors & Shop Trigonometry.



Progressing through the program you will be introduced to the Computer-Aided Manufacturing (CAM) functionalities of the 3D CAD system teaching you how to generate machine tool path data directly from the CAD models.

Part 4 of the Manufacturing Processes and Sciences series covers introductory courses on Personal Protective Equipment, Lockout/Tagout Procedures, SDS and Hazard Communication, Hand and Power Tool Safety, Fire Safety and Prevention, High-Speed Machining, GD&T, the Major Rules of GD&T and GD&T Applications.



Additional Core courses include Intro to Lean Manufacturing & Six Sigma and a deeper dive into Assembly & Fastener Fundamentals, Metal Cutting Fundamentals, CNC Machines, Inspection Fundamentals, and MasterCAM. A wide range of in demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.



Please note the CAD courses mentioned above are electives. If the student wishes to focus more on the core production technologies, they may opt for a deeper dive into any of the introductory courses mentioned above.

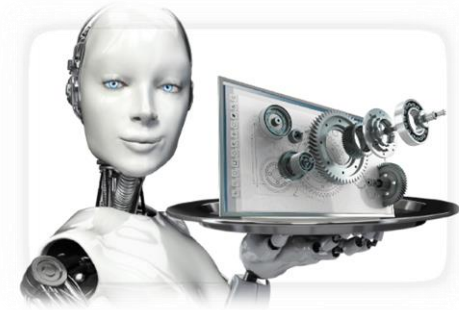


As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/production-technologies/>.

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Robotics & the Internet of Things (IoT) Technologies



This program teaches you the basics of Robotics through a series of hands-on robot building projects. You will also learn about the power of the Internet of Things (IoT) to add the capacity to control, interact, and gather data from your robots over the internet.

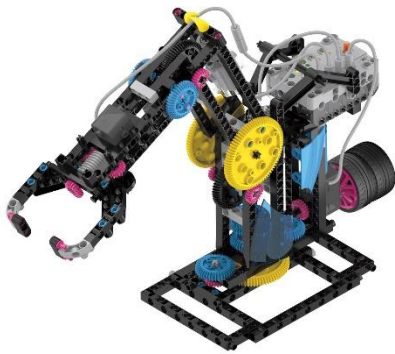
Robotics is a field that combines mechanics, electronics, and computer programming to design, construct, and operate machines used to automate repetitive tasks in-part or completely.

You will learn what the Internet of Things (IoT) is?

What the scope of IoT is?

How IoT influences business strategy?

What the different IoT business applications and use cases are?



You will start with some lessons on basic electronics and associated tools and equipment. You will progress to building your robots while learning the basics of robot operating systems, robotic drives, and associated physics. To program, control, and interact with your robots, you will learn how to utilize two popular, credit card sized computers: Arduino and Raspberry Pi.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Additionally, you will study Programmable Logic Controller programming (PLC) as another popular programming and industrial control option.



Finally, you will put your robots to work while using the main elements of IoT. You will learn about the power of the Internet of Things (IoT) to add the capability to control, interact, and gather data from your robots over the Internet.

For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/robotics-and-the-iot/>

MARKETING & GRAPHIC DESIGN

Game Design and Development Technologies

Digital Marketing Applications Specialist

Digital Marketing & Web Design Technologies

Digital Marketing & Animation Technologies

Graphics Design Applications Specialist

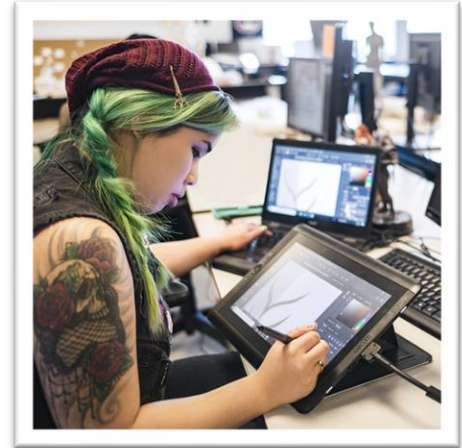
Graphics Design Technologies



Game Design and Development Technologies

This program was specifically designed to equip students with the necessary skills and knowledge to thrive in the gaming industry. The program blends a mix of theoretical understanding and practical application.

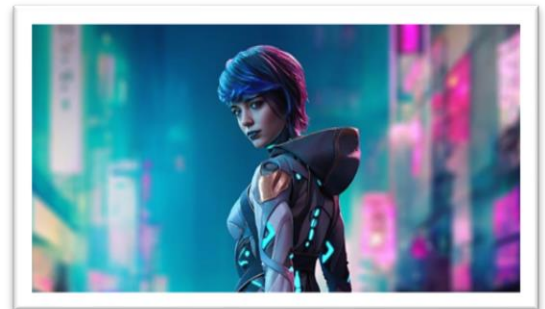
The curriculum begins with "Gaming Industry Careers & Game Design Fundamentals", where students are introduced to a wide range of careers in the gaming industry plus the gaming industry's landscape, exploring various game genres and platforms. This module focuses on understanding the fundamentals of game design and is followed up with a course in player psychology and engagement strategies.



Following this, the program delves into how to write clean code, offering an introduction to essential programming languages such as C++ and Python.

Throughout this program students will learn basic algorithms, data structures, and grasp the concepts of object-oriented programming, laying a solid foundation for more advanced programming skills.

Simultaneously, students engage in the artistic side of game development, where they will acquire skills in 2D and 3D art, learn about game aesthetics, storytelling, and familiarize themselves with tools like Adobe Photoshop, Illustrator, and Blender. The semester also includes a specific module on storytelling, focusing on narrative development, character creation, dialogue writing, and storyboard creation, crucial for engaging game design.



Throughout the program, students will apply their acquired skills to conceptualize and create simple games. The projects serve as an introduction to game development tools like Unity or Unreal Engine and help students understand the practical aspects of game development.

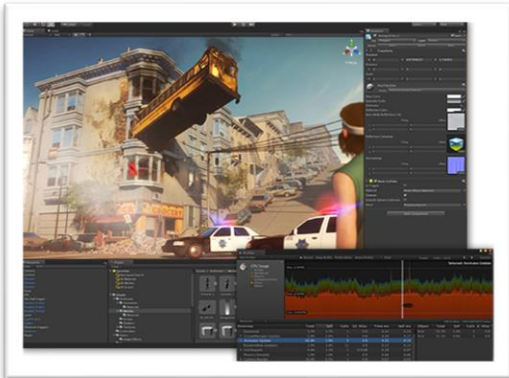
The then curriculum advances to advanced game development where we introduce students to advanced programming techniques, in-game physics, AI, and multiplayer and network programming. Throughout the program students will learn about game analytics, player behavior, game economy, monetization strategies, and using analytics tools.

Electives also include designing for mobile platforms, understanding mobile user interfaces, and the specifics of deployment and testing on mobile devices.

Additionally, the curriculum includes electives in Virtual Reality (VR) and Augmented Reality (AR), covering the basics of VR and AR, designing immersive experiences, and familiarizing students with relevant tools and platforms.

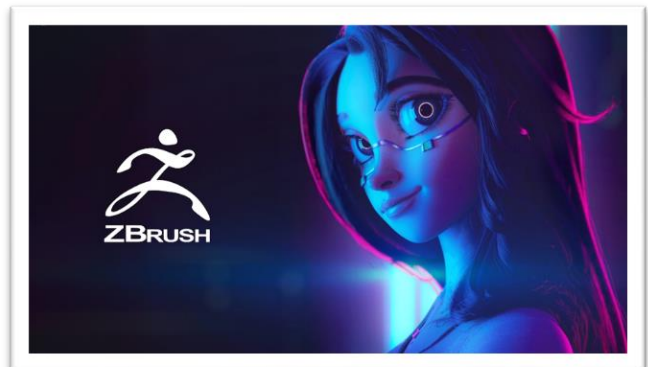


The student may choose to include a Capstone Project, where student is required to develop a complete game. This project would utilize the application of all the skills learned throughout the program. Students design, develop, and test their game, presenting it to their instructor(s) for feedback and evaluation.



The curriculum is designed not only to impart technical skills but also to provide a comprehensive understanding of the game development process, from conception to execution. Assessments are continuous throughout the program.

Upon successful completion, students receive a Certificate in Game Design and Development, marking their readiness to enter the dynamic and exciting world of game design. Other industry recognized certifications will be awarded upon successfully passing selected application specific certification exams.



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are approved for WIOA, Trade Act, Section 30 and many other government grants. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the Addendum. For a full description of the program please visit our website here <https://www.visible-edge.com/game-design-development-technologies/>.



Digital Marketing Applications Specialist



The Digital Marketing Applications Specialist program focuses on attaining or updating applications level skills used by people in developing sales & marketing materials, websites, social media sites and much more. With constant advancements in social media and technology, Digital Marketing has proven to be one of the most crucial disciplines for business growth and increased sales.

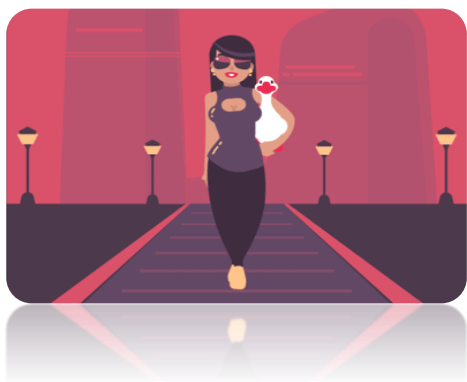
In the core program alone, you will master content creation using the most in-demand, industry standard programs and platforms in the digital marketing discipline - including the Adobe Creative Cloud, Adobe Photoshop, Illustrator, WordPress, InDesign, and Google Ads & Analytics. Learn how to use the tools to create your own eye-catching websites, optimize social media platforms, create marketing content such as brochures, blog posts, newsletters, posters, animations, videos, digital art and more. The core program also includes the preparation and exam for the industry recognized Google Analytics Certification.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

You will then focus on getting that content in front of customers using state-of-the-art web design and social media tools such as WordPress, Canva, After Effects, Premier Pro, Java, DJANGO, Google Analytics, Python, Mailchimp, Facebook, Twitter, Instagram, Pinterest, LinkedIn, TikTok, YouTube, WooCommerce, and more. You will also be given the opportunity to earn an industry recognized certification in Adobe XD!



During the development of your training plan, you will be able to choose from a list of over 150 related electives that include topics and learning tracks such as, Android Mobile App Developer, Full-Stack Web Developer, Hadoop/NoSQL Data Science Stack, HTML, Java Programmer, PHP Developer, Windows Presentation Foundation (WPF) Essentials, Adobe Captivate Fundamentals, Logo Design, Principles & Practices for UI Design, UX Design & User Experience Theory, Graphic Design & Theory, Adobe Dreamweaver, Figma, Adobe Lightroom Photo Editing, Cinematography, iPhone for Professional



Photography, PowerPoint and Animated Videos, Video Production, Windows 10 Essentials, Migrating between Windows and Mac Computers, Salesforce, Project Management Essentials, Create Animated Explainer Videos with PowerPoint, Microsoft Word, Excel, Visio, Publisher, Teams, Data Analysis with Pandas and Python, Blogging, Web Design & Web Development, How To Become An Exceptional Writer, Writing Tools & Hacks: Copywriting/Blogging/Content Writing, Email Etiquette At Work, Content Marketing Masterclass, Marketing Strategy Business Fundamentals,

Marketing Analytics, Marketing Psychology, Strategic Marketing, Google Data Studio, Dreamweaver (Adobe), SEO, Amazon SEO & Ads, and Ecommerce Marketing.

Students successfully completing their studies will get the chance to receive various valuable industry-recognized certifications – including a Google Ads certification, Google Analytics Individual Qualification (GAIQ), Adobe XD certification, and PCM Content Marketing Certification from the American Marketing Association (AMA).



Additional optional industry recognized certifications are also available for Data Analytics Professional, Web Analytics, Microsoft Bing, HubSpot, plus various certifications from the American Marketing Association (AMA) - Marketing Management, Sales Management, Digital Marketing Pro, SEO, and Social Media Marketing for Businesses.

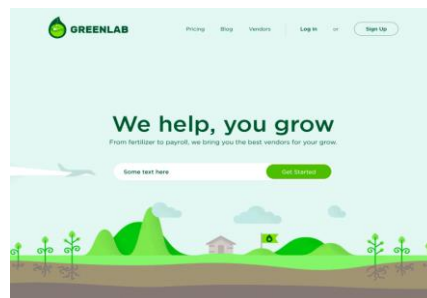


All students successfully completing their studies will receive an industry recognized Content Marketing Certification from the American Marketing Association (AMA) and a 1-year Membership in the AMA. Additional optional industry recognized certifications are also available for Data Analytics Professional, Web Analytics, Microsoft Bing, Content Marketing Certification (AMA), Facebook, Google, HubSpot, plus the following certifications from the

American Marketing Association (AMA) - Marketing Management, Sales Management, Digital Marketing Pro, SEO, and Social Media Marketing for Businesses.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs.



For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/digital-marketing-applications-specialist/>

Digital Marketing & Web Design



The marketing world is constantly changing. With advancements in social media and technology, Digital Marketing and Web Design have proven to be two of the most crucial disciplines for business growth and increased sales.



Throughout this program, you will master content creation using the most in-demand programs and platforms in the digital marketing discipline - including Adobe Photoshop, Illustrator, After Effects, InDesign, Premiere Pro, and more.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



You will then focus on getting that content in front of customers using state-of-the-art web design and social media tools such as WordPress, Google Analytics, Mailchimp, Facebook, Twitter, YouTube, and more.



Learn to create your own website, optimize social media platforms, create marketing content such as brochures, blog posts, newsletters, posters, animations, videos, and more. You will also discover how to utilize SEO to dramatically strengthen your online presence and gain loyal customers. Additionally, you will utilize Analytics to maximize ad efficiency, discover marketing strategies, avoid common mistakes, increase traffic, and utilize best practices.

All students successfully completing their studies will receive an industry recognized **Marketing Certification** from an industry recognized institution.



A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates. Elective topics include a deeper dive into Adobe products and an opportunity to learn programming skills in Java, DJANGO, Python & Drupal.





Learn to drive leads to your website with Microsoft Bing, Google Ads & Analytics, Search Engine Optimization (SEO), eCommerce with WordPress & WooCommerce and Email Marketing. You may also choose to explore Cinematography, iPhone Photography, and Video Editing & Production.



We also have a full array of Microsoft Office related electives including Excel, Outlook, PowerPoint, Project, Publisher, Teams, Visio, Word and more. And to keep your marketing tasks organized and ensure on-time delivery we also offer electives in Project Management.



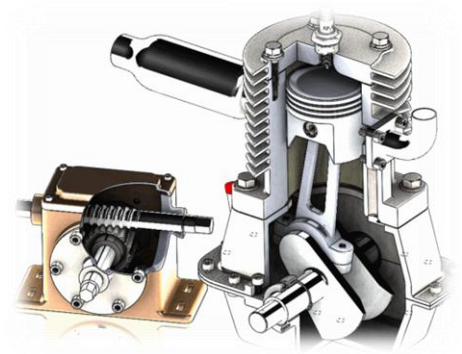
As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/digital-marketing-and-web-design/>

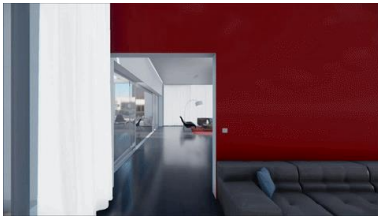


Digital Marketing & Graphic Design

If a picture is worth a thousand words, an animation is worth a million. We live in a world of instant gratification. Pick up an old magazine from just a few decades ago and you will find long-winded explanations of why you should buy a company's products. Today you have just seconds to grab someone's attention. "Show me why I should buy this product". Some advertisements only have a picture and the product's name. Some commercials have no verbal words, just motion. They catch your attention, and you ask, "What is this commercial for?" and at the very end you see a product name.



In this version of our Digital Marketing Program, you will master content creation using the most in-demand programs and platforms in digital marketing including Adobe Photoshop, Illustrator, InDesign, Premiere Pro, and more.



You will then have the option of choosing additional graphics design electives for advanced content creation including photorealistic renderings and animations using products such as After Effects, V-Ray, 3ds Max, Maya, SolidWorks, ZBrush, and Blender. Finally, you will step into the world of Augmented



Reality and Virtual Reality with Unity & Unreal Engine.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

All students successfully completing their studies will receive industry recognized Certifications in various subjects.

A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

For those new to the immersive world of graphic design, you'll be given the opportunity to master related skills including User Interface (UI), User Experience (UX), Color Theory, Drawing Fundamentals Art & Science, Digital Painting & Sketching, Realistic Drawing and Shading of Human Features, Texturing, Business Graphics, Kinetic Typography, 3D Animation, 2D & 3D Game Character Design & Creation, Building Augmented Reality Applications, Project Management Essentials, and more. Your courses will allow you to complete various practical projects and assignments to give you additional hands-on experience.



You will get the opportunity to master other top programs and platforms throughout the industry - such as the rest of Adobe Creative Cloud (XD, Dreamweaver, Lightroom, & Captivate), Canva, Figma, WordPress, and Camtasia.



Other elective topics also include a deeper dive into Adobe Creative Cloud and an opportunity to learn other areas including Cinematography, iPhone Photography, and Video Editing, & Production.



Additionally, we offer a full array of Microsoft Office related electives including Excel, Outlook, PowerPoint, Project, Publisher, Teams, Visio, Word, and more. To keep your marketing tasks organized and ensure on-time delivery, we also offer electives in Project Management.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/digital-marketing-and-graphic-design/>



Graphics Design Applications Specialist



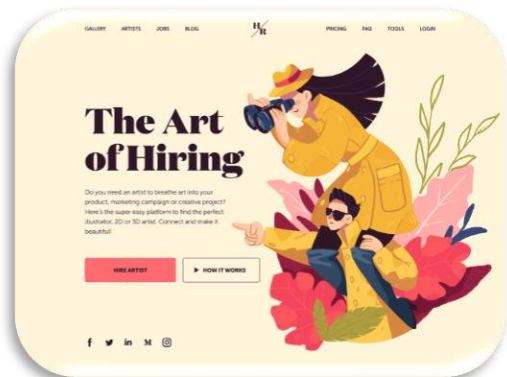
The Graphics Design Applications Specialist program focuses on attaining or updating applications level skills used by people in the Graphics Design industry. The digital world is rapidly expanding - creating endless new opportunities, career paths, workplace advancements, and certifications. Throughout this comprehensive program, we'll explore all of the applications necessary to dive into the expansive world of Graphic Design. For those who are new to the Graphics Design discipline you will also have the opportunity to learn the discipline specific skills needed to effectively use the graphics design

tools covered in this program including art fundamentals, digital painting, and much more.

This program is designed for both absolute beginners and current industry specialists. First, the program focuses on the primary graphics design tools including Photoshop, Illustrator, InDesign, After Effects, and Adobe XD. You will also be given the opportunity to earn an industry recognized certification in Adobe XD!

Additionally, you'll get the opportunity to master other top programs and platforms throughout the industry - such as the rest of Adobe Creative Cloud (XD, Premiere Pro, Dreamweaver, Lightroom, & Captivate), Canva, Figma, Drupal, WordPress, Java, HTML/CSS, SQL, ZBrush, Blender, Unreal Engine, Unity, Camtasia, 3ds Max, Maya, Scala, and SolidWorks.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



Additionally, you'll get the opportunity to master other top programs and platforms throughout the industry - such as the rest of Adobe Creative Cloud (XD, Premiere Pro, Dreamweaver, Lightroom, & Captivate), Canva, Figma, Drupal, WordPress, Java, HTML/CSS, SQL, ZBrush, Blender, Unreal Engine, Unity, Camtasia, 3ds Max, Maya, Scala, and SolidWorks.

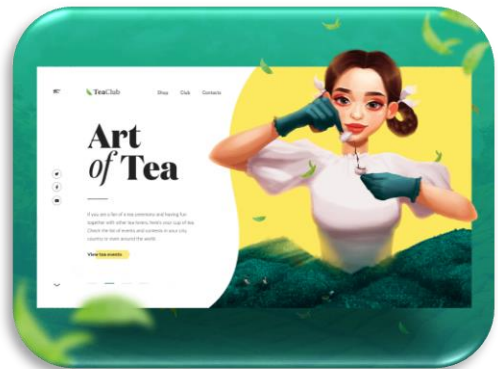


For those new to the immersive world of graphic design, you'll be given the opportunity to master related skills including User Interface (UI), User Experience (UX), Color Theory, Drawing Fundamentals Art & Science, Digital Painting & Sketching, Realistic Drawing and Shading of Human Features, Texturing, Business Graphics, Kinetic Typography, 3D Animation, 2D & 3D Game Character Design & Creation, Building Augmented Reality Applications, Project Management Essentials, and more. Your courses will allow you to complete various practical projects and assignments to give you additional hands-on experience.

Interested in boosting your marketing skills? Choose from topics like marketing psychology, content marketing, growth marketing, strategic marketing, social media, search engine optimization (SEO), selling on Amazon, social media marketing, and more.

Interested in picking up some marketing skills too? Choose from topics like Web Design & Web Development, Web & Mobile Design, Growth Marketing, Strategic Marketing, Google Applications, SEO, WordPress, Selling on Amazon, Marketing on Facebook, Instagram, LinkedIn, Pinterest, TikTok, and YouTube!

You'll also have the option to learn parallel applications such as Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications - including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, Sway, and more.



Our programs can also be taken 100% remotely or in-center, all with Live Instructors On-Demand.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other

financing options.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs.

For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/graphic-design-applications-specialist/>



Graphics Design Technologies

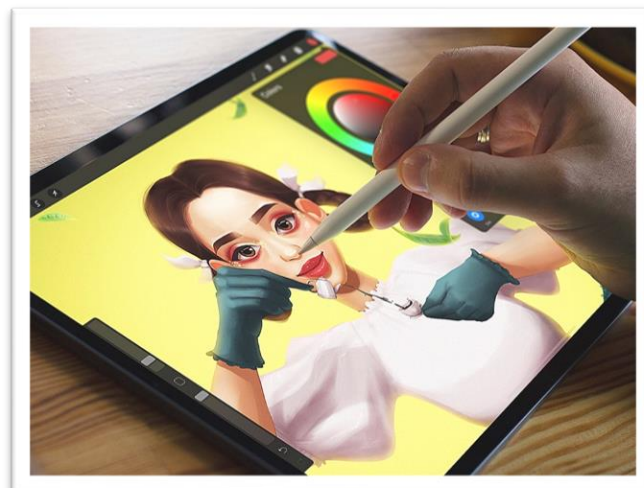


The digital world is rapidly expanding - creating endless new opportunities, career paths, workplace advancements, and certifications. Throughout this comprehensive program, we'll explore all of the topics necessary to dive into the expansive world of Graphic Design –including graphic creation, web design, digital painting, user interface (UI), user experience (UX), art fundamentals, and much more.

This program is designed for both absolute beginners and current industry specialists. First, the program emphasizes fundamentals, tips, best practices, industry rules, basic topics, and industry-standard programs. Once the basics are mastered, dive deeper into topics like Graphic Design Theory to Logo Design, Character Design, Motion Graphics, Video Game Concept Art, Video Editing & Production, 3D Digital Sculpting & Modeling, Marketing Psychology, and more.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

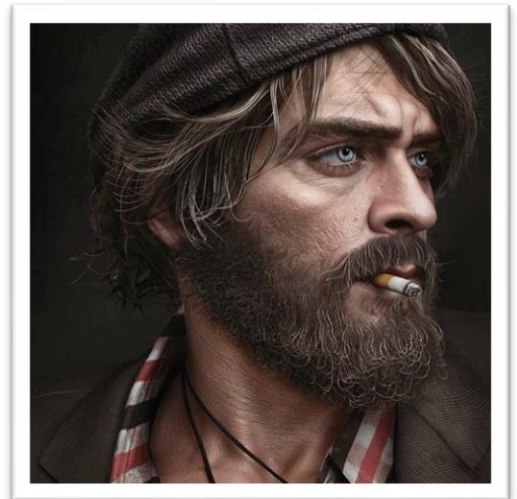
Additionally, you'll have the opportunity to master top industry programs and platforms throughout the Graphic Design industry such as Adobe Creative Cloud (Photoshop, InDesign, Illustrator, Premiere Pro, XD, After Effects, Lightroom, Captivate), WordPress, Blender, and 3ds Max. You will also be given the opportunity to earn an industry recognized certification in Adobe XD!



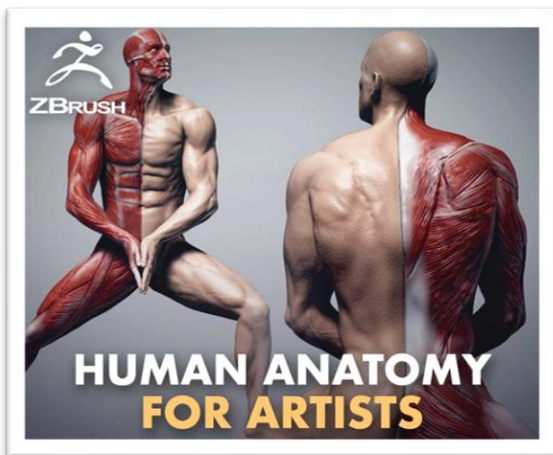
During the development of your training plan, you will be able to choose from a list of over 100 related electives that include topics and learning tracks such as Drupal, WordPress, Dreamweaver, Canva, Figma, Maya, ZBrush, Scala, Java, Camtasia, SolidWorks, Unreal Engine, and Unity throughout your program. Through these platforms, you can discover more about Color Theory, Drawing Fundamentals Art & Science, Digital Painting & Sketching, Realistic Drawing and Shading of Human Features,

Texturing, Business Graphics, Kinetic Typography, 3D Animation, 2D & 3D Game Character Design & Creation, Building Augmented Reality Applications, Project Management Essentials, and also complete various practical projects. Interested in picking up some marketing skills too? Choose from topics like Web Design & Web Development, Web & Mobile Design, Growth Marketing, Strategic Marketing, Google Applications, SEO, WordPress, Selling on Amazon, Marketing on Facebook, Instagram, LinkedIn, Pinterest, TikTok, and YouTube!

You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, Sway plus more!



Our programs can also be taken 100% remotely or in-center, all with Live Instructors On-Demand.



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Not sure where to start? Our counselors are available to help put together a customized program to meet your needs.

For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/graphic-design-technologies/>

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MECHANICAL & ARCHITECTURAL

SolidWorks Mechanical Design Applications Specialist

Inventor Mechanical Design Applications Specialist

Creo Mechanical Design Applications Specialist

Revit Architectural Design Applications Specialist

AutoCAD Civil Design Applications Specialist (TBA)

Mechanical Design Technologies

Mechanical Engineering Review

Mechanical Engineering Technologies



SolidWorks Mechanical Design Applications Specialist

This program prepares you to be a proficient 3D Parametric Solid Modeler & Detailer using an industry-standard 3D Mechanical Computer-Aided Design (MCAD) tool called SolidWorks. You will learn to create 3D models and produce technically accurate drawings of electro/mechanical parts, mechanisms and assemblies while learning industry-standard drafting & modeling practices. Optional electives include core training in Creo (AKA Pro/ENGINEER) and Inventor. Students successfully completing this program will receive the industry-recognized **Certified SolidWorks Associate (CSWA) Certificate**.



You will be taught industry-standard skills and tools used by major discreet manufacturers and product development companies. Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Core SolidWorks Courseware includes: SolidWorks Introduction, Essentials for Parts and Assemblies, Drawings, Efficient Modeling and Design Intent, Composer, Intro to eDrawings, Parts & Drawings CAD Drills, Advanced Parts, Model Based Definition (MBD), Advanced Assemblies & Assembly CAD Drills, Sheetmetal & Weldments, Sheetmetal CAD Drills, Surfacing, Advanced Surface Modeling, Surfacing CAD Drills, Mold Tools, Plastic Design, Mold Design CAD Drills, Manufacturing: SolidWorks CAM, Ve-I CSWA Practice Exams, SolidWorks: Certified SolidWorks Associate (CSWA) Prep + Certification Exam, and Special Project Work to create a Certificate Level Portfolio.



A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

Elective SolidWorks Topics include: Electrical Schematic, Electrical 3D, Routing, Electrical CAD Drills, SolidWorks Simulation, SimulationXpress, Flow Simulation, Analysis Project, PhotoView 360, Visualize, Visualization and Appearances, Animation, SolidWorks Animation Project, SolidWorks - Data Management, SolidWorks - Tools & API's: DriveWorksXpress, DimXpert and

TolAnalyst, Toolbox and Design Library, Advanced API, API & SolidWorks API Project, Mastercam for SolidWorks, and SolidWorks Mold Design. Students completing these electives will be eligible to take SolidWorks: **Certified SolidWorks Professional (CSWP)** Prep and SolidWorks: **Certified SolidWorks Expert (CSWE)** Prep courses and exams.

Other Elective Topics include: Inventor, Creo, Mastercam Lathe, Mastercam, Engineering Drawing & Graphics, AutoCAD 2D & 3D, AutoCAD Electrical, Mathematica Programming, MATLAB, GD&T Beginner & Advanced, KeyShot, ZBrush, Blender, Adobe Illustrator, Photoshop, After Effects, Navisworks, SketchUp, Fundamentals of Math, Algebra and Geometry Essentials.

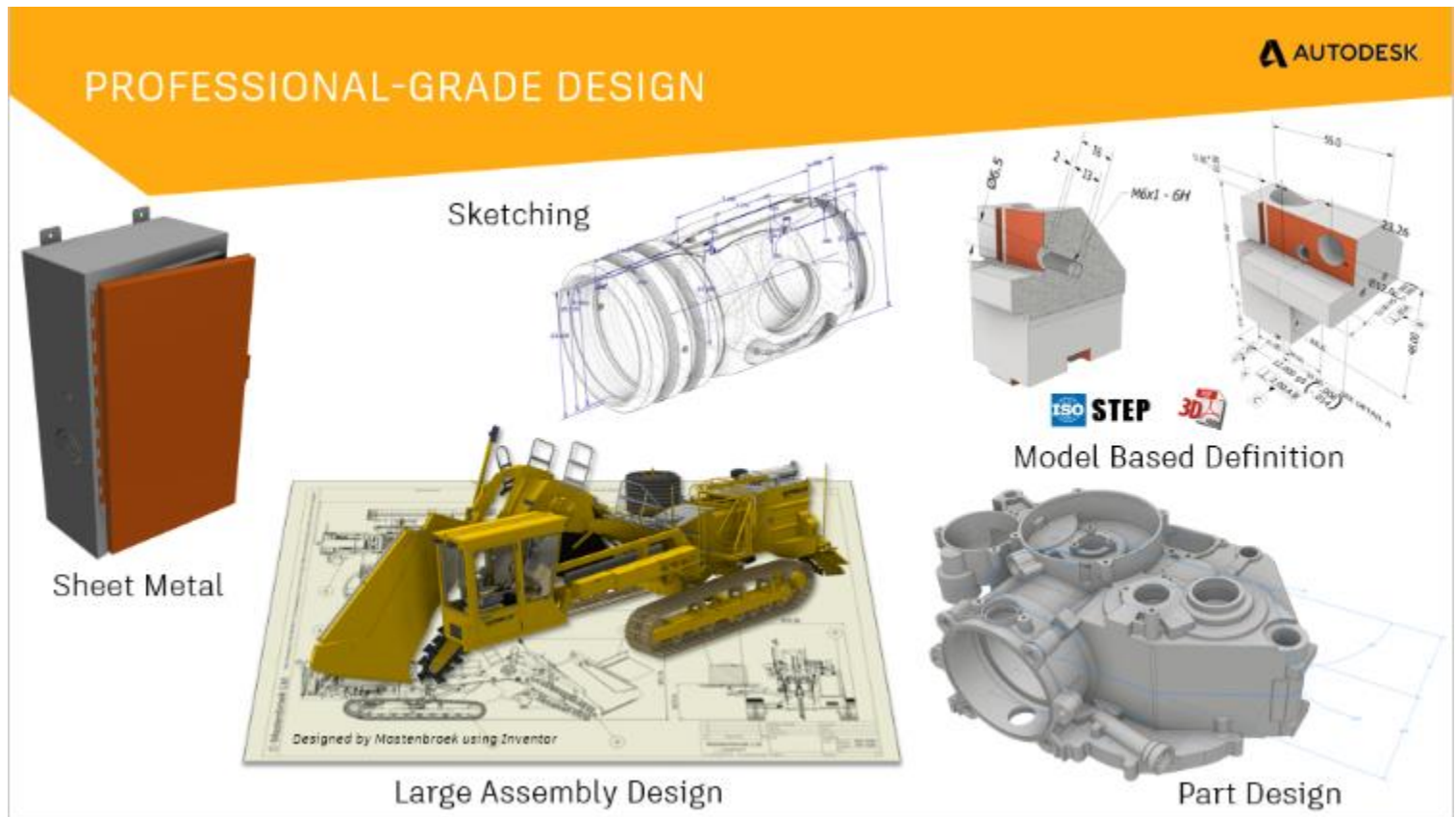
Many CAD “Guru’s” end up becoming CAD System Administrators so we have put together a group of electives that will give you the tools to meet that challenge, if you so wish. Topics include Windows Operating System (OS) Fundamentals, CompTIA A+ Certification Prep which covers basic to advanced computer hardware and configuration concepts, Advanced Windows Performance Troubleshooting, Windows Server Administration Fundamentals, Security Awareness Training for Employees, Microsoft Excel for Project Management, and Microsoft Visio - an awesome diagramming and documentation tool. Additional beginner to advanced Microsoft Office related topics include Microsoft Teams, OneNote, Outlook, Word, Excel, Visual Basic Applications (VBA) Programming, SharePoint, Access, PowerPoint & Project. We also have various IoT & AR courses including Unity: A Beginner's Guide to Augmented Reality.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/solidworks-mechanical-design-applications-specialist/>



Inventor Mechanical Design Applications Specialist



This program prepares you to be a proficient 3D Parametric Solid Modeler & Detailer using an industry-standard 3D Mechanical Computer-Aided Design (MCAD) tool called Inventor. You will learn to create 3D models and produce technically accurate drawings of electro/mechanical parts, mechanisms and assemblies while learning industry-standard drafting & modeling practices. Optional electives include core training in SolidWorks, Revit and other topics.



You will be taught industry-standard skills and tools used by major discreet manufacturers and product development companies. Core Inventor courseware includes: Inventor New User Essentials, Sheet Metal Design, Weldments, Plastic Part Design, Tube and Pipe Design, Cable and Harness Design, Frame Generator, Simulation FEA, Simulation Kinematic, iLogic, and **Inventor Essentials for Certification**.



A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Elective CAD topics include Revit Essential to Advanced training (please see “Revit Architectural Design Applications Specialist Program for details), SolidWorks Essential to Advanced training (please see “SolidWorks Mechanical Design Applications Specialist Program” for details), Creo Essentials to Advanced training (please see “Creo Mechanical Design Applications Specialist Program” for more details), Navisworks, SketchUp, and multiple Certification Prep courses.



Other Elective Topics include

Mastercam Lathe, Mastercam, Engineering Drawing & Graphics, GD&T Beginner & Advanced, AutoCAD 2D & 3D, AutoCAD Electrical, Mathematica Programming, MATLAB, KeyShot, ZBrush, Blender, Adobe Illustrator, Photoshop, After Effects, Navisworks, SketchUp, Fundamentals of Math, Algebra and Geometry Essentials.

Many CAD “Guru’s” end up becoming CAD System Administrators so we have put together a group of electives that will give you the tools to meet that challenge, if you so wish. Topics include Windows Operating System (OS) Fundamentals, CompTIA A+ Certification Prep which covers basic to advanced computer hardware and configuration concepts, Advanced Windows Performance Troubleshooting, Windows Server Administration Fundamentals, Security Awareness Training for Employees, Microsoft Excel for Project Management, and Microsoft Visio - an awesome diagramming and documentation tool. Additional beginner to advanced Microsoft Office related topics include Microsoft Teams, OneNote, Outlook, Word, Excel, Visual Basic Applications (VBA) Programming, SharePoint, Access, PowerPoint & Project. We also have various IoT & AR courses including Unity: A Beginner's Guide to Augmented Reality.



options.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing

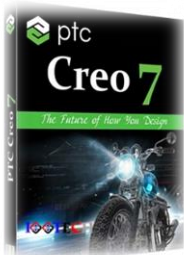
Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/inventor-mechanical-design-applications-specialist/>

Creo Mechanical Design Applications Specialist



This program prepares you to be a proficient 3D Parametric Solid Modeler & Detailer using an industry-standard 3D Mechanical Computer-Aided Design (MCAD) tool called Creo (formerly known as Pro/ENGINEER). You will learn to create 3D models and produce technically accurate drawings of electro/mechanical parts, mechanisms and assemblies while learning industry-standard drafting & modeling practices. Optional electives include core training in SolidWorks, Inventor and Revit. Students successfully completing this program will receive the industry recognized **Creo Fundamentals Certification**.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions. You will be taught industry-standard skills and tools used by major discreet manufacturers and product development companies.



Core Creo courseware includes: Creo: Basics of Creo Capabilities and Design Process, Basics Interface and Modeling Concepts, Basics of Modeling, Fundamentals Overview, Interface, Modeling, and Workflow Updates, Fundamentals of Modeling 1 & 2, CAD Drills - Parts, Modeling Productivity Tools, Basics of 2D Drawing, Fundamentals of 2D Drawing, Drawing CAD Drills, Sketching Productivity Tools, Creating and Modifying 2D Drawing Views, Managing the 2D Drawing Environment, Adding 2D Drawing Information Using Tables, Populating 2D Drawings with Annotations, Advanced Drawings CAD Drills, GD&T CAD Drills, Creating Sheetmetal Models 1 & 2, Sheetmetal CAD Drills, Weldments CAD Drills, Basics of Surface Modeling, Exam: Creo Fundamentals Certification.



A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.



Elective Creo Topics include: Creating Surface Features 1 & 2, Surfacing CAD Drills, Stitching, Editing, and Solidifying Surfaces, Analyzing Surface Features, Advanced Modeling 1 & 2, Advanced Parts CAD Drills, Model Based Definition (MDB) CAD Drills, Basics of Assembly, Fundamentals of Assembly, Assemblies CAD Drills, Assembly Productivity Tools, Assembling with Kinematic Connections, Assembling with Non-Kinematic Constraints, Assembly, Detail, Analysis, Basics of Large Assembly Concepts, Large Assemblies CAD Drills,

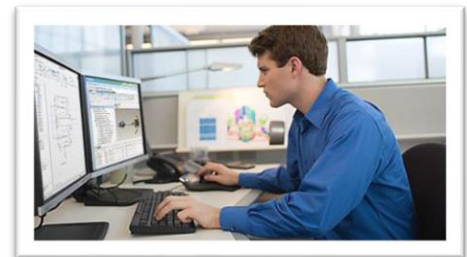
Evaluating Kinematic Connections, Managing Assembly Styles and States, Managing Large Assemblies, Using Assembly Skeletons for Top-Down Design, Creating Harnesses and Routing Cables 1 & 2, Rendering CAD Drills, Basics of Analysis, Basics of Simulation Concepts, Fundamentals of Analysis, Finite Element Analysis w/Creo Simulate, Mechanisms CAD Drills, Exam:

Creo Parametric Professional Certification.

Other Elective Topics include SolidWorks, Inventor, Revit (please see respective CAD “Design Applications Specialist” programs for details), Mastercam Lathe, Mastercam, Engineering Drawing & Graphics, GD&T Beginner & Advanced, AutoCAD 2D & 3D, AutoCAD Electrical, Mathematica Programming, MATLAB, KeyShot, ZBrush, Blender, Adobe Illustrator, Photoshop, After Effects, Navisworks, SketchUp, Fundamentals of Math, Algebra and Geometry Essentials.



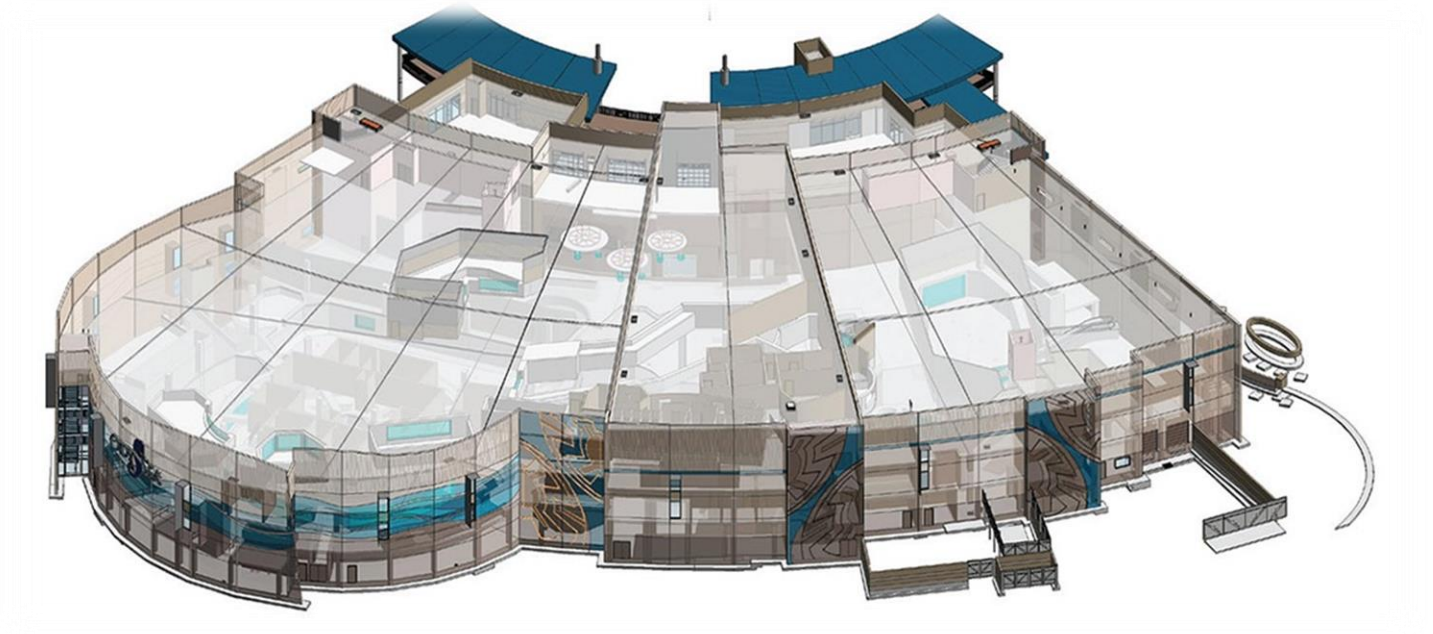
Many CAD “Guru’s” end up becoming CAD System Administrators so we have put together a group of electives that will give you the tools to meet that challenge, if you so wish. Topics include Windows Operating System (OS) Fundamentals, CompTIA A+ Certification Prep which covers basic to advanced computer hardware and configuration concepts, Advanced Windows Performance Troubleshooting, Windows Server Administration Fundamentals,



Security Awareness Training for Employees, Microsoft Excel for Project Management, and Microsoft Visio - an awesome diagramming and documentation tool. Additional beginner to advanced Microsoft Office related topics include Microsoft Teams, OneNote, Outlook, Word, Excel, Visual Basic Applications (VBA) Programming, SharePoint, Access, PowerPoint & Project. We also have various IoT & AR courses including Unity: A Beginner's Guide to Augmented Reality. As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/creo-mechanical-design-applications-specialist/>

Revit Architectural Design Applications Specialist



This program prepares you to be a proficient 3D Parametric Solid Modeler & Detailer using an industry-standard 3D Architectural Computer-Aided Design tool called Revit. You will learn to create 3D models and produce technically accurate drawings of buildings and other architectural structures while learning industry-standard drafting & modeling practices. Optional electives include core training in SolidWorks, Creo (AKA Pro/ENGINEER), Inventor and AutoCAD. Students successfully completing this program will receive the industry-recognized **Revit Architecture Certified Professional Certification**.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

You will be taught industry-standard skills and tools used by major discreet manufacturers and product development companies.

Core Revit courseware includes: Revit Essential Training: Architecture (Imperial), Detailing, Architecture: Advanced Modeling, Families, Stairs Workshop, Building Curtain Walls, Building Roofs, View Range, Schedules, Revit: Essential Training for MEP (Imperial), Advanced Techniques for Importing CAD Drawings, Industrialized Construction, Area Calculations, Construction Modeling Tools, Phasing and Design Options, Fire-Alarm Systems Design, Sprinkler Design, Cert Prep: Revit Architecture Certified Professional, Special Project Work - Create Certificate Level Portfolio





A wide range of in-demand and unique electives are also included in this program that will increase your employment marketability over other traditionally trained candidates.

Elective Revit courses include Revit

Templates: Content, Migrating AutoCAD Standards, Architecture: Family Editor (Imperial and Metric), Architectural Families, MEP Families , Structural Families, Parametric Furniture Modeling, Parametric Curvature in the Family Editor, Interior Architecture, Dynamo for Interior Design, Interior Design Construction Ready Techniques, Custom Furniture Modeling, BIM Management Careers,

Creating a BIM Execution Plan, BIM 360 Design Essential, Optimize Your BIM Workflow, Modeling Best Practices for BIM, Revit

Worksharing, Revit: Rendering, Visualization, AR and VR Workflows, Revit to Unreal

for Architecture, Revit: Presenting and Managing Design Options, Revit and Unreal

Engine: Real-Life Architectural Visualizations, Revit Insight: Energy Analysis, Revit:

Structural Analysis Tools, Dynamo for Revit, Generative Design for Revit, Revit Tips,

Tricks, and Troubleshooting, Revit: Student Design Project, Revit Architecture:

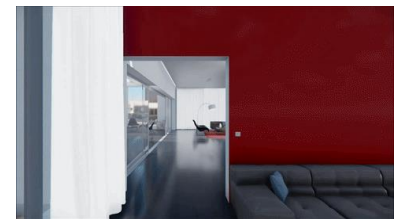
Designing a House (Project), Revit: Multifamily Housing (Project), Designing Home

Plans with Revit (Project), Cert Prep: Revit for Structural Design Professional, Cert

Prep: Revit Structure Certified Professional, Cert Prep: Revit MEP Electrical Certified Professional, Cert Prep: **Revit MEP**

Mechanical & Plumbing Certified Professional

Other Elective Topics include SolidWorks, Inventor, Creo (please see respective CAD “Design Applications Specialist” programs for details), AutoCAD 2D & 3D, AutoCAD Electrical, Mathematica Programming, MATLAB, Keyshot, ZBrush, Blender, Adobe Illustrator, Photoshop, After Effects, Navisworks, SketchUp, Fundamentals of Math, Algebra and Geometry Essentials.



Many CAD “Guru’s” end up becoming CAD System Administrators

so we have put together a group of electives that will give you the

tools to meet that challenge, if you so wish. Topics include

Windows Operating System (OS) Fundamentals, CompTIA A+

Certification Prep which covers basic to advanced computer

hardware and configuration concepts, Advanced Windows

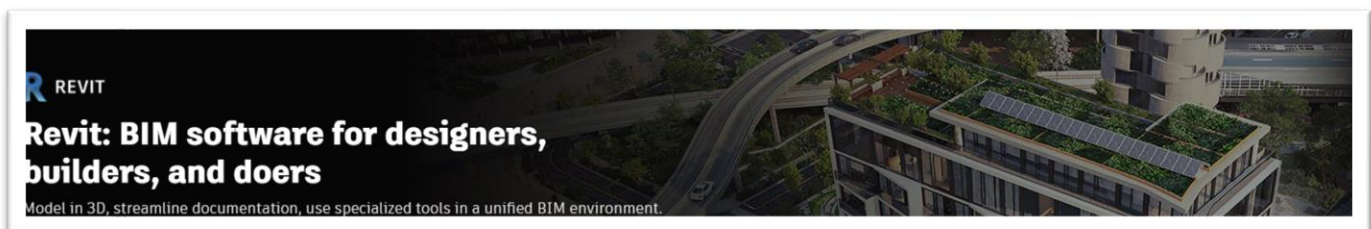
Performance Troubleshooting and Server Administration

Fundamentals, Security Awareness Training for Employees, Excel for Project Management, and Microsoft Visio - an awesome

diagramming and documentation tool. Additional beginner to advanced Microsoft Office related topics include Microsoft

Teams, OneNote, Outlook, Word, Excel, Visual Basic Applications (VBA) Programming, SharePoint, Access, PowerPoint & Project. We also have various IoT & AR courses including Unity: A Beginner's Guide to Augmented Reality.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options. Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/revit-architectural-design-applications-specialist/>



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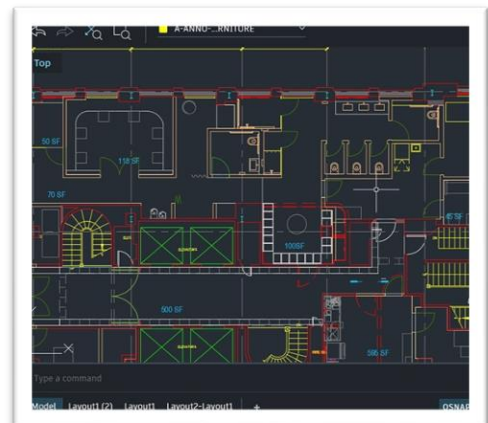
AutoCAD Design Applications Specialist



The AutoCAD Design Applications Specialist Certificate program focuses primarily on teaching the required applications used by people in civil and architectural design roles. These skills can also be applied in electrical, mechanical, manufacturing, and other technical roles. This program offers an entry point into being a drafter or designer in any company in the building and construction industry. Even though most companies have moved to 3D solid modelers, most have legacy data that needs to be maintained and even have specific tasks that don't justify creating geometry using a 3D modeler. This program will teach you the entry level skills to get your foot in the door of a new career while also offering the opportunity to learn a modern 3D solid modeler such as Revit, Inventor or SolidWorks.

This program is designed for both absolute beginners and current industry specialists. Been working in the construction, architectural or manufacturing industry and want to move to the next level? This program is for you! First, you will study to become a proficient CAD Drafter & Detailer using the industry standard CAD tool called AutoCAD. You will learn to create 2D & 3D geometry and produce technically accurate drawings for various disciplines while learning industry standard drafting & modeling practices.

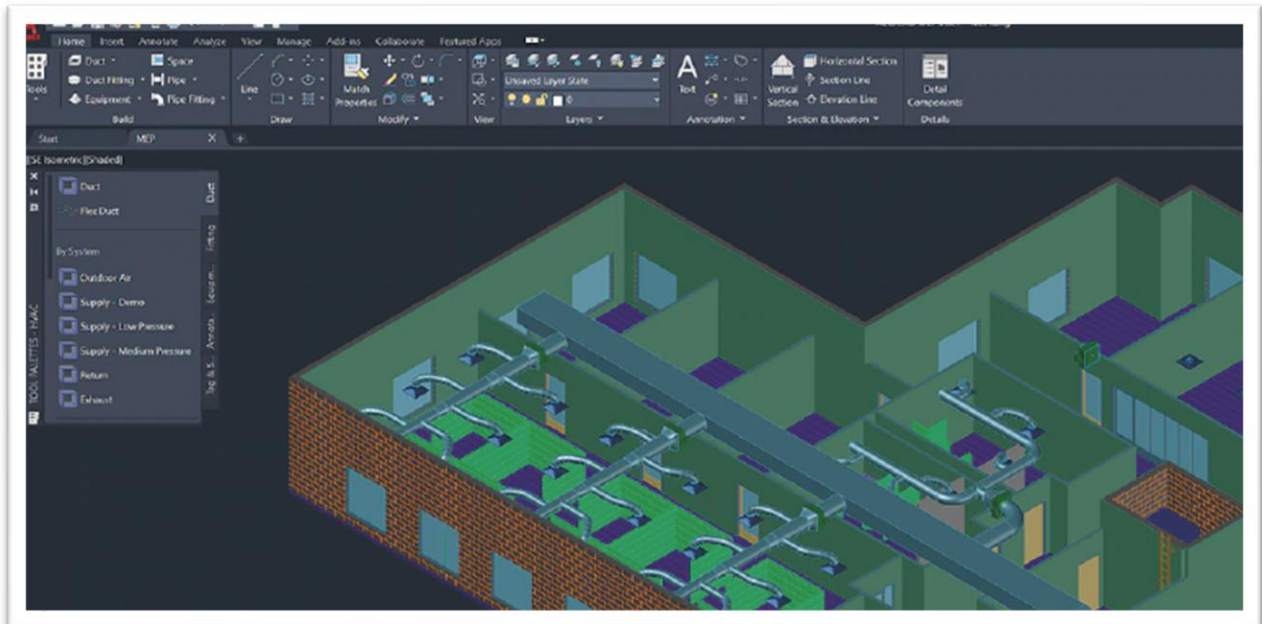
Core topics will be Architectural Graphics and Sketching, AutoCAD Complete, AutoCAD 2D & 3D: Drawings and Practical Projects, AutoCAD 2D and 3D Practice Drawings, AutoCAD - Autodesk Certified Professional (ACP) Certification Prep and Exam, AutoCAD MEP, AutoCAD Civil 3D Essentials, Civil Construction Drawings, AutoCAD Civil 3D for Infrastructure Design - (ACP) Certification Prep, Certification Exam: Civil 3D for Infrastructure Design (ACP). You will also receive a course in the Introduction to Civil



Design Technologies and Basics of Civil Design & Engineering. Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

For students wishing to pursue deeper study, additional subject matter will include AutoCAD Mechanical, Revit Essential Training: Architecture, Revit: Detailing, Revit Architecture: Advanced Modeling, Revit: Essential Training for Structure, Revit: Industrialized Construction, Revit: Creating Concrete Buildings, Revit: Construction Modeling Tools, Certification Exam: Revit for Architecture (ACU), Certification Exam: Revit for Architectural Design (ACP), Revit for Structural (ACP) Certification Prep, Certification Exam: Revit for Mechanical Design (ACP), Certification Exam: Revit for Structural Design (ACP).

Elective topics include AutoCAD Electrical, Autodesk Inventor, SolidWorks, Building Design & Construction, Construction Management, Planning, Cost Estimation, Job Sites, and Methodologies, Technical Communication, Dynamo & Navisworks, Adobe Cloud Suite, SketchUp, Electrical Controls, Public Speaking for Engineers. Architectural based specific elective topics include Home Construction, Residential Architecture, Architectural Visualization, Design of Small Homes & Energy-Efficient Buildings, Solar Design, Interior Design for Kitchens, Lighting & Modern Homes, Daylighting, Landscaping & Garden Design.



You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, plus more!

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options. Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/autocad-design-applications-specialist/>.

Where to start? Our counselors are available to help put together a customized program to meet your needs.

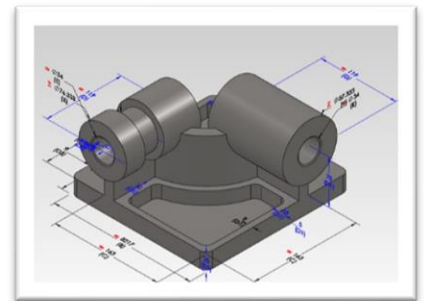
Mechanical Design Technologies

If you have an interest in how things work (or how to make them work better), this program is for you. It is specifically designed for individuals with little to no formal training in the Mechanical Design disciplines. If you are a draftsman or CAD operator, this is the perfect program to move you into a full design role. While this is currently a non-accredited program it is roughly equivalent to the course material covered in an Associate of Science in Mechanical Engineering Program, at a fraction of the cost and time.



You will be completing this program with an industry-recognized **Certification in SolidWorks (CSWA)** to show prospective employers that you are a proficient 3D Parametric Solid Modeler & Detailer. Also, through our partnership with the Society of Manufacturing Engineers (SME), you will attain the industry **Certified Manufacturing Associate (CMfgA)** credential which is the only certification in the manufacturing industry that is focused on basic manufacturing concepts critical for anyone who wants to be a good designer.

You will begin your studies with an Introduction to SolidWorks, a state-of-the-art CAD system, learning how to create 3D parametric geometry and becoming familiar with the basics of the Mechanical Design & Development Process.



Shear Strength

Tensile Strength

Yield Strength

Next you will begin part 1 of a 4-part overview of Manufacturing Processes and Sciences series covering introductory courses on topics such as Introduction to Additive Manufacturing (3D Printing), CNC Machines, Assembly, Tools for Threaded Fasteners, Math Fundamentals, Units of Measurement, Physical Properties, Mechanical Properties, Metals, Plastics, Mechanical Systems, Fluid Systems, Adhesive Bonding, Coating Composition, Fastener Ergonomics, Composite Processes, Applied & Engineering Sciences, and Manufacturing Process



Applications.

Progressing through the program you will alternate between more challenging CAD functions and dive deeper into how the designs you create will be made. You will cover functionality including SolidWorks Composer, SolidWorks Intro to eDrawings, SolidWorks CAD Drills for Parts and Drawings. For those without a drafting background there are optional Engineering Drawing & Graphics and Geometric Dimensioning & Tolerancing (GD&T) courses.

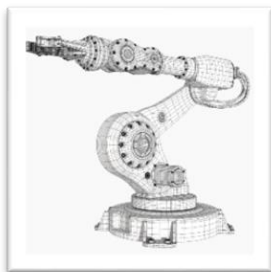


Part 2 of the overview of Manufacturing Processes and Sciences continues with Basic Measurement, Basics of Tolerance, Blueprint Reading, 5S, Troubleshooting, Quality, EDM, Machine Tools, Screw Machining, Abrasives, Press Basics, Punch and Die Operations, Bending Fundamentals, Basic Additive Manufacturing Process, Welding Processes, Geometry Fundamentals for Welding, Algebra Fundamentals & Shop Geometry.



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Additional CAD functionality will be explored including SolidWorks Drawings, SolidWorks Essentials for Parts & Assembly Design followed up by a course for Certified SolidWorks Associate (CSWA) Prep + the Certification Exam.

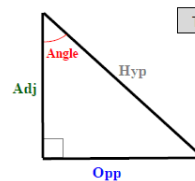
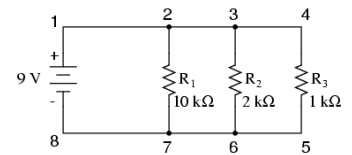


Parts 3 & 4 of the overview of Manufacturing Processes and Sciences series covers introductory topics including Introduction to Robotics, Robot Safety, Bloodborne Pathogens, Intro to OSHA, Ergonomics, Workholding, Fixture Design Basics,



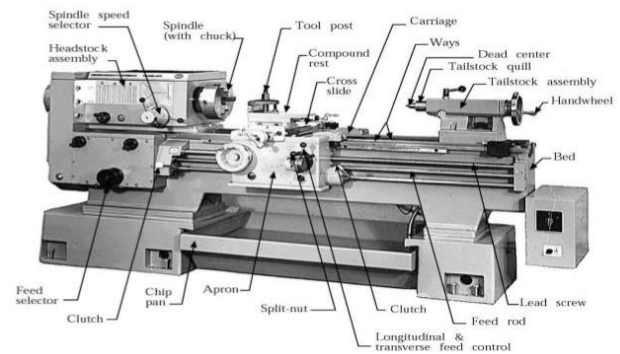
Manual Mill & Engine Lathe Basics, Basic Cutting Theory, Control

Devices, Distribution Systems, Electrical Units, Circuits, Magnetism, Hydraulic & Pneumatic Components, Fluid Conductors, Shop Trigonometry, Personal Protective Equipment, Lockout/Tagout Procedures, SDS and Hazard Communication, Hand and Power Tool Safety, Fire Safety and Prevention, High-Speed Machining, GD&T, the Major Rules of GD&T and GD&T Applications.

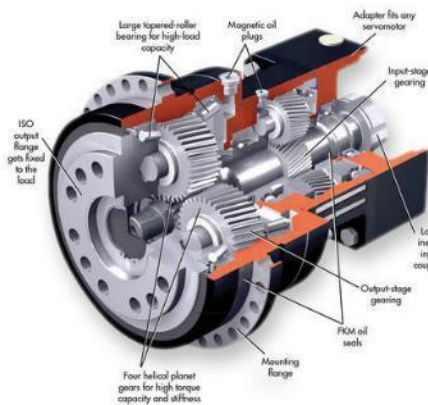


The Six Trigonometric Functions

$$\begin{aligned} \sin A &= \frac{\text{opp}}{\text{hyp}} & \cos A &= \frac{\text{adj}}{\text{hyp}} & \tan A &= \frac{\text{opp}}{\text{adj}} \\ \csc A &= \frac{\text{hyp}}{\text{opp}} & \sec A &= \frac{\text{hyp}}{\text{adj}} & \cot A &= \frac{\text{adj}}{\text{opp}} \end{aligned}$$



Rounding out the program you will explore the Fundamentals of Physics, Machine Design, Design for Manufacturing (DFM), Additive Manufacturing (3D Printing) followed by an Introduction to Mechanical Systems including Forces of Machines, Power Transmission Components, Mechanical Power Variables, Lubricant Fundamentals, Bearing & Spring Applications, Belt Drive & Gear Applications, Gear Geometry, Clutch and Brake Applications.



Generative Design & Additive Manufacturing

8 components into 1 part
40% lighter
20% stronger



We also offer a wide range of in demand and unique electives that will increase your employment marketability over other traditionally trained candidates.

If you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

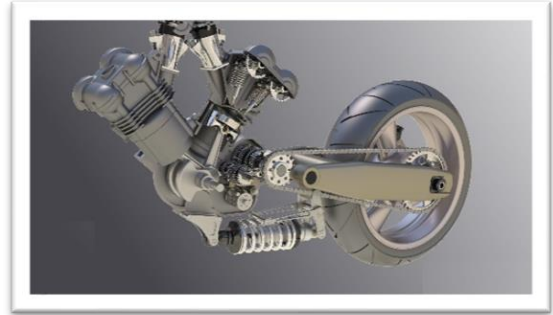
Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/mechanical-design-technologies/>

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Mechanical Engineering Review

So, you have been working as an Engineering Manager to 10, 20, 30+ years and the company you have worked for decided to downsize or move your position overseas. Now you are faced with looking for a new position which includes small to medium-sized businesses. Problem is you worked for "that" big company as a manager and haven't done any core engineering work for "x" number of years. Today's small to medium size companies need, and are looking for,

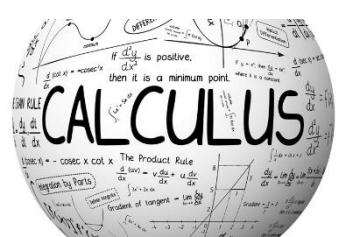
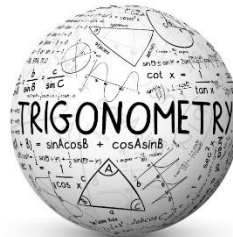
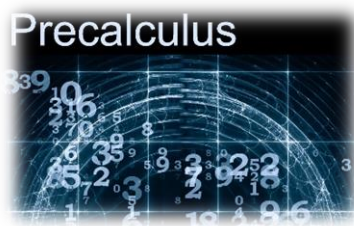
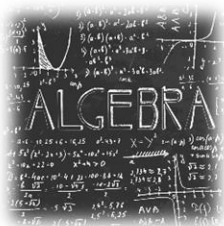
Engineering Managers that can also get in the trenches, crank through the mathematics, and actually engineer new or improve existing products.



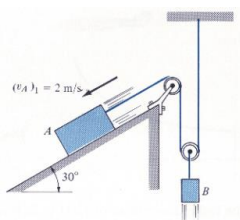
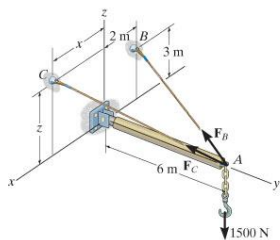
How do you convince them you are still capable of doing this, after all those years, without going back to school full time to retake those courses? Better yet, are you confident you could jump back into the trenches and deliver the value companies are looking for? If you are not sure you can answer either of these questions in the positive, this program is for you.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

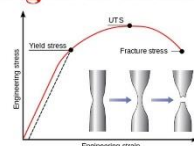
This program focuses on reviewing the core engineering & mathematics courses in a timeframe that lets you get back into full employment in a shorter time period. Our core Engineering specific courses have been developed by over 150 internationally known, accredited colleges & universities, including, but not limited, to MIT, Boston University (BU), Harvard University, UC Berkley and more. The lecturers are the same ones who developed and/or deliver the courses at the same Universities. Students will receive a certificate of completion by the associated College or University and Visible Edge Institute, a Post-Secondary Educational Institution licensed by the Department of Education, will Certify that the student did in fact complete the course and apply an actual letter grade to their transcript. This program is currently available as a Certificate and Diploma level program.



In the core part of this program, you will begin your studies with refreshers in Algebra, Trigonometry, Precalculus and Calculus I. We offer CLEP tests for mathematics up to Calculus I. If successfully completed, you may move on to the next required math course while getting college credit that will be recognized by most colleges and universities.

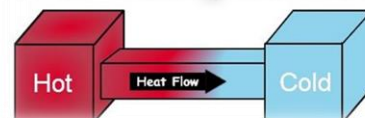


Strength of Materials



Stress - Strain Diagram

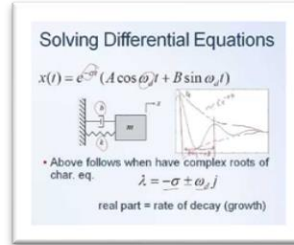
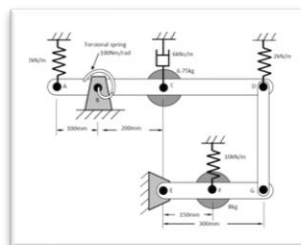
Thermodynamics



Next you dive back into Engineering Mechanics: Statics & Dynamics, Strength of Materials &, Thermodynamics.

For those electing to progress beyond the base Certificate Program, there are many electives available, including, but not limited to, Materials Science, Fluid Mechanics, System Dynamics, Machine Design Fundamentals, System Dynamics & Control, plus many more. You can also elect to learn a state-of-the-art CAD system, SolidWorks, to create 3D parametric geometry and drawings.

For those without a strong manufacturing background, you can elect to take any of 4 courses that provide an overview of Manufacturing Processes and Sciences (for details on this 4-part series please see our "Production Technologies" program). Our partnership with the Society



of Manufacturing Engineers (SME) allows our students to also attain the industry-recognized **Certified Manufacturing Associate (CMfgA) & Certified Manufacturing Technologist (CMfgT)** credentials. All this before program completion.

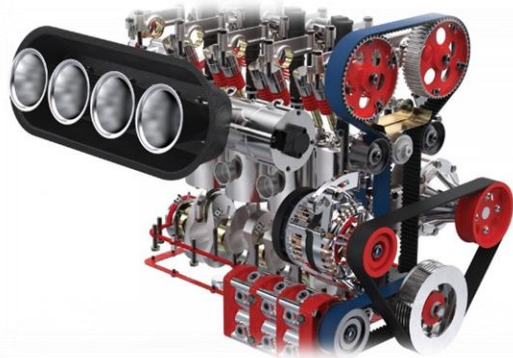
For those without a drafting background, there is an optional Engineering Drawing & Graphics course. If you are really rusty, we also offer pre-requisite courses including Fundamentals of Physics, Algebra, Geometry and even desktop applications related course such as Microsoft Excel, Word, PowerPoint, Project and many more!



We also offer a wide range of other in-demand and unique electives that will increase your employment marketability over other traditionally trained candidates. As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options. Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/mechanical-engineering-review/>

Mechanical Engineering Technologies

If you have an interest in how things work (or how to make them work better) and you enjoy learning and using mathematics on a daily basis, this program is for you. It is specifically designed for individuals with little to no formal training in the Mechanical Engineering discipline. If you are already a draftsman, CAD operator or Mechanical Designer, this is the perfect program to move you into an associate engineering role.



This program follows the course requirements of a typical Bachelor of Science in Mechanical Engineering Program, at a fraction of the cost and time. Our core Engineering specific courses have been developed by over 150 internationally known, accredited colleges & universities including, but not limited to, MIT, Boston University (BU), Harvard University, UC Berkley and more. The lecturers are the same ones who developed and/or deliver the courses at the same Universities. Students will receive a certificate of completion by the associated College or University and Visible Edge Institute, a Post-Secondary Educational Institution licensed by the Department of Education, will Certify that the student completed the course and apply an actual letter grade to their transcript. This program is currently available as a Diploma level program only.



In the first half of this program, you will begin your studies with an introduction to Mechanical Engineering course. Next you will be introduced to a state-of-the-art CAD system, SolidWorks, learning how to create 3D parametric geometry. This is a tool you will use throughout this program. For those without a drafting background there is an optional Engineering Drawing & Graphics course.



Shear Strength

Tensile Strength

Yield Strength

Next you will begin part 1 of a 4-part overview of Manufacturing Processes and Sciences series covering introductory courses on topics such as Introduction to Additive Manufacturing (3D Printing), CNC Machines, Assembly, Tools for Threaded Fasteners, Math Fundamentals, Units of Measurement, Physical Properties, Mechanical Properties, Metals, Plastics, Mechanical

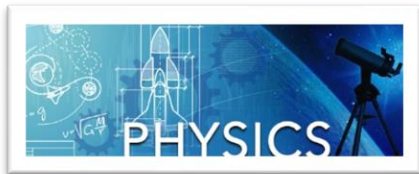
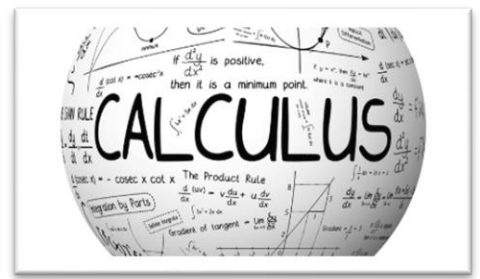
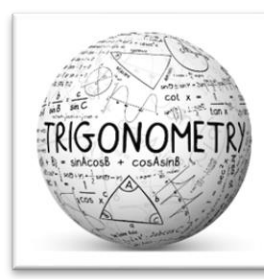
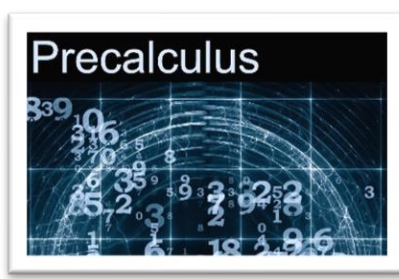


Systems, Fluid Systems, Adhesive Bonding, Coating Composition, Fastener Ergonomics, Composite Processes, Applied & Engineering Sciences, and Manufacturing Process Applications.

Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions. Progressing through the program you will alternate between more challenging CAD functions and dive deeper into how the designs you engineer and create will be made.



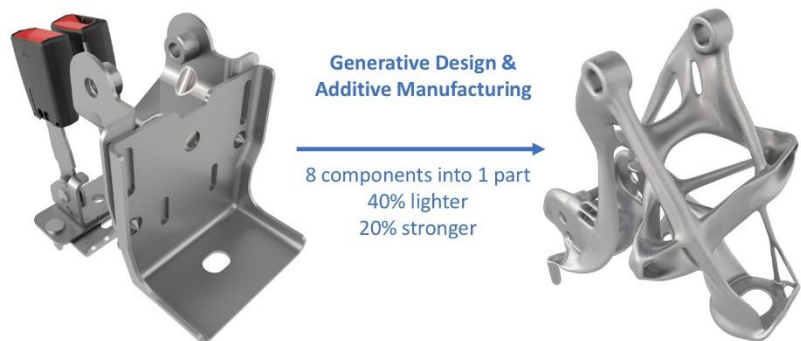
Mathematics ranging from Algebra, Trigonometry, Precalculus, Calculus I & II will also be interwoven into the curriculum. We also offer CLEP tests for mathematics up to Calculus I. If successfully completed, you may move on to the next required math course while getting college credit that will be recognized by most colleges and universities. All this before program completion.



Rounding out the first half of the program you will explore the Fundamentals of Physics, Mechanical Systems and Machine Design and how to Design for Manufacturing (DFM) and Additive Manufacturing (3D Printing).

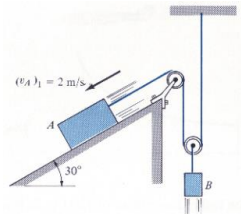
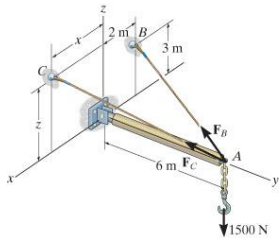
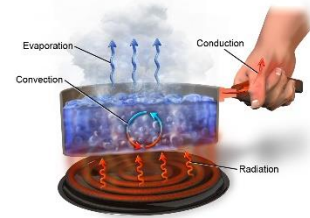
You will be completing this part of program with an industry recognized

Certification in SolidWorks (CSWA) to show prospective employers that you are a proficient 3D Parametric Solid Modeler & Detailer using an industry standard 3D Mechanical Computer Aided Design (MCAD) system. Our partnership with the Society of Manufacturing Engineers (SME) allows our students to also attain the industry recognized **Certified Manufacturing Associate (CMfgA)** & **Certified Manufacturing Technologist (CMfgT)** credentials.

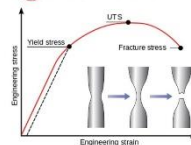


In the second half of the program, you will dive into Calculus III & Differential Equations, Engineering Mechanics: Statics & Dynamics, Strength of Materials, Materials Science, Thermodynamics, System Dynamics, Fluid Mechanics, Heat Transfer and other core engineering courses plus electives. Certificates of completion from several prominent Colleges and Universities will be included for many of the courses.

Mechanisms of Heat Transfer

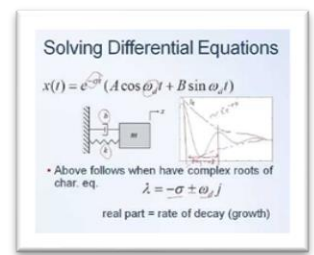
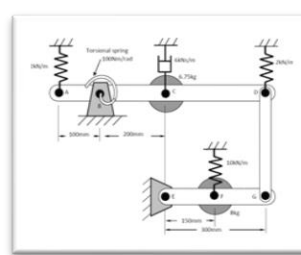
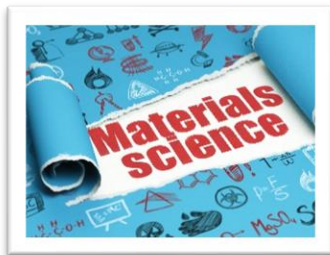
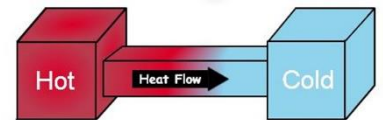


Strength of Materials



Stress - Strain Diagram

Thermodynamics



For those electing to progress beyond the base Certificate Program, we also offer a wide range of in demand and unique electives that will increase your employment marketability over other traditionally trained candidates.

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.

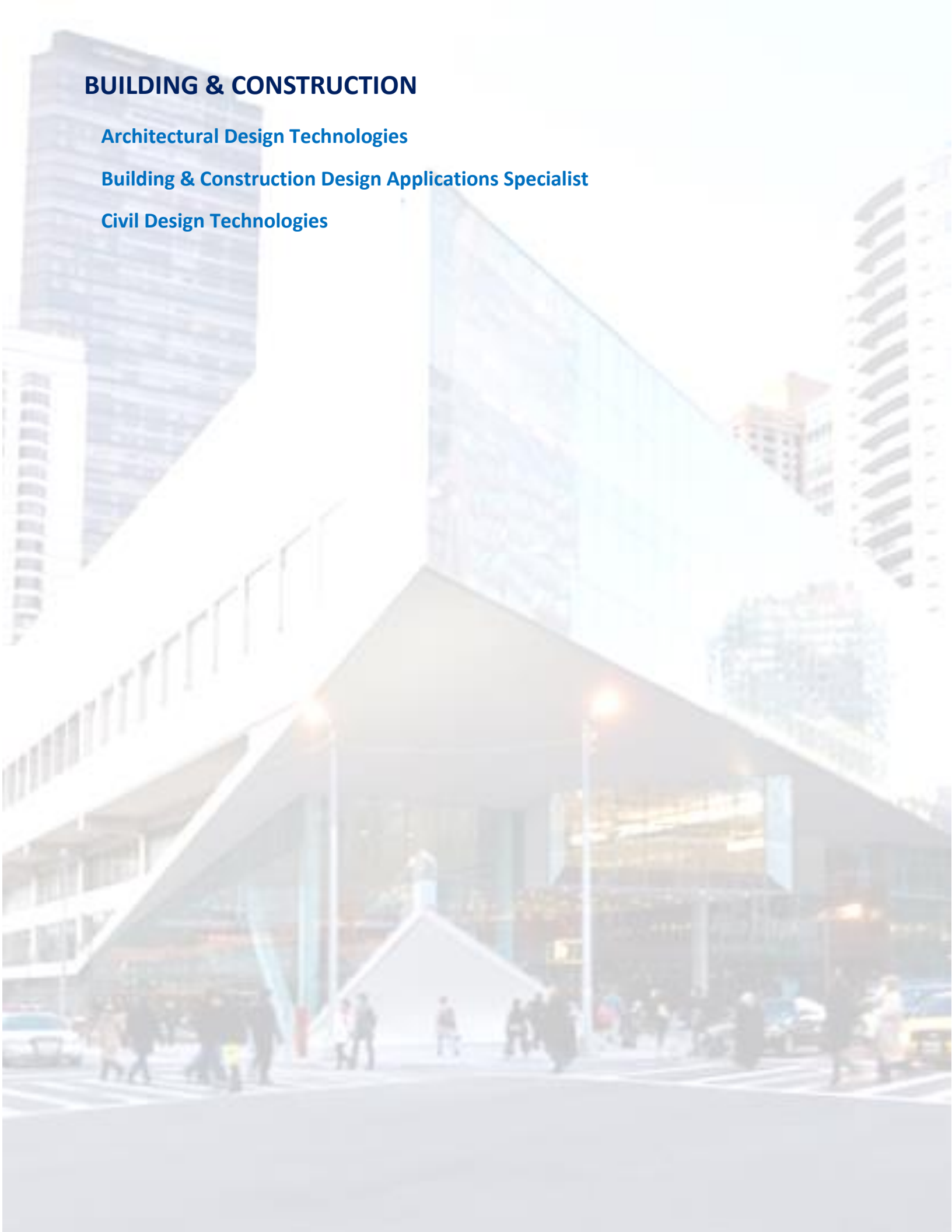
Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/mechanical-engineering-technologies/>

BUILDING & CONSTRUCTION

Architectural Design Technologies

Building & Construction Design Applications Specialist

Civil Design Technologies



Architectural Design Technologies



The Architectural Design Technologies Certificate program focuses on teaching the required skills used by people in the Architectural Design Industry. The breath of available Architectural Design technologies and tools available is rapidly expanding - creating large gaps between existing skill sets and the knowledge required today to meet current design demands. Throughout this comprehensive program, we'll explore all of the subject matter and applications necessary to dive into the expansive world of Architectural Design.

This program is designed for both absolute beginners and current industry specialists. First, the program focuses on the primary discipline specific subjects including The Architectural Design Process & Project Type Basics, Architectural Graphics and Sketching, Physics I (Algebra based), Construction Math Foundations, Trigonometry & Precalculus, Statics for Civil & Architectural Designers, Strength of Materials, Soil Mechanics, Structural Steel Design Principles, Surveying, Fundamentals of Concrete Technology, Reinforced Concrete Fundamentals, and Foundation Engineering & Design.



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions. Interleaved within the core courses you will also study to become a proficient 3D Parametric Solid Modeler & Detailer using an industry standard 3D Architectural Computer

Aided Design tool called Revit. You will learn to create 3D models and produce technically accurate drawings of building and other architectural structures while learning industry standard drafting & modeling practices. Core topics will be Revit Essential Training: Architecture, Creating Concrete Buildings, Construction Modeling Tools, Detailing plus AutoCAD MEP training. Students will have the opportunity to earn an industry recognized **Certification in Revit for Structural Autodesk Certified Professional (ACP)**.

For students wishing to pursue a Diploma Level Program additional subject matter will include Revit Architecture: Advanced Modeling, Calculus I, Mathematica, Algebra (Linear), Materials Science: Physical Metallurgy I, Structural Analysis, Revit: Structure & Industrialized Construction, Project



Planning & Design, Technical Writing. These topics may also be taken as electives for Certificate level students.

Other optional electives include core fundamental training in over 200 additional program related topics such as Autodesk Inventor, Home Construction, Building Design & Construction, Roman & Postmodern Architecture, The Architecture of Frank Lloyd Wright, Le Corbusier, Ludwig Mies van der Rohe, Philip Johnson, and more. Other topics include Designing a Healthcare Facility with Revit and BIM, Residential Architecture, Architectural Visualization with Photoshop & Blender, Design of Small Homes & Energy-Efficient Buildings, Solar Design, Interior Design for Kitchens, Lighting & Modern Homes, Daylighting, Feng Shui, Landscaping & Garden Design, Urban Design Foundations & Strategic Planning, Construction Industry & Management, Cost Estimating & Scheduling, Electrical Systems, Lumion, Grasshopper, Sustainability, 3D

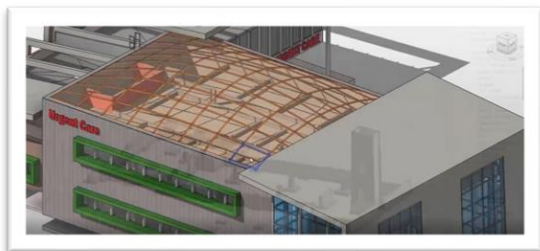


Scanning, Hydraulics & Hydrology, Building for Earthquakes, Skyscrapers, Environmental Engineering Chemistry, Geology, Geomatics & Surveying, Geotechnical Engineering, Geographic Information Systems (GIS), Economic Principles, VBA, AutoCAD, BIM, Dynamo, Navisworks, Illustrator, InDesign, SketchUp, After Effects, Premiere Pro, Augmented Reality, Public Speaking for Engineers, Energy Fundamentals, Heat Transfer, Thermodynamics, Calculus II, and Master Math by Coding in Python.

And... we did not forget Green Building Concepts. Start with a course in LEED Certification Introduction and choose optional industry recognized LEED Certification learning tracks such as LEED AP Green Associate, BD+C, Homes, ID+C, ND, O+M, and ID&C. **Certification Exams are also available for AutoCAD Drafting & Design Autodesk Certified Professional (ACP) and Revit for Architectural Certified Professional (ACP).**



You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, plus more!



As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options. Where to start? Our counselors are available to help put together a customized program to meet your needs. For the latest list of

courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/architectural-design/>

Building & Construction Design Applications Specialist

The Building & Construction Design Applications Specialist Certificate program focuses on teaching the required applications used by people in the building and construction trades include architecture and civil design roles. Modern infrastructure upgrade requirements are putting a strain on the availability of existing resources with these skills, which are in high demand! Existing technologies and tools available are also rapidly expanding - creating large gaps between existing skill sets and the knowledge required today to meet current infrastructure demands. Throughout this comprehensive program, we will explore all of the subject matter and applications necessary in these industries.



This program is designed for both absolute beginners and current industry specialists. Been working in the construction industry and want to move to the next level? This program is for you!



First, you will study to become a proficient 3D Parametric Solid Modeler & Detailer using an industry standard 3D Computer Aided Design tool called Revit. You will learn to create 3D models and produce technically accurate drawings of building and other civil structures while learning industry standard drafting & modeling practices. Core topics will be Revit Essential Training: Architecture, Advanced Modeling & Detailing. You will also learn the other industry standard tools AutoCAD, AutoCAD MEP, and SketchUp.

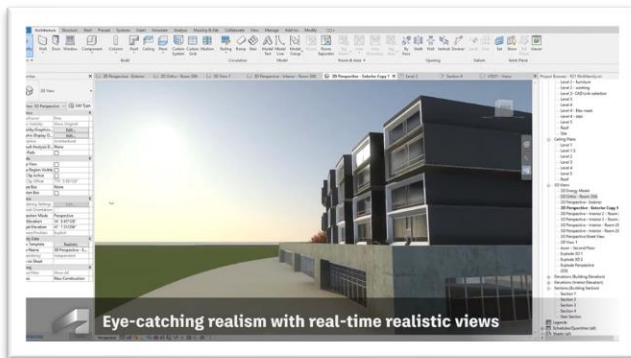
Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.

Students will have the opportunity to earn an industry recognized Certification Autodesk Certified Professional Credentials (ACP) in Revit for Structural ACP, AutoCAD Drafting & Design ACP, and Revit for Architectural ACP.

For students wishing to pursue a Diploma Level Program additional subject matter will include AutoCAD Civil 3D Essentials, AutoCAD Plant 3D, AutoCAD 2D & 3D: Practical Practice Projects, Navisworks, Revit: Learning Revit Families, MEP, Structure, and Creating Concrete Buildings, Revit Insight: Energy Analysis, Revit: Structural Analysis Tools, Revit: Project - Structural Drawing of a Residential Building and Dynamo Essential Training.

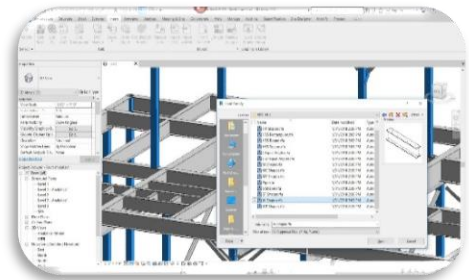


Other available optional elective topics from our Civil & Architectural Design Programs include core fundamental training in over 300 additional program related topics.



Civil based elective topics include Building Design & Construction, Construction Management, Planning, Cost Estimation, Job Sites, and Methodologies. Bridge & Footbridge Design, Engineering for Earthquakes, Geology, Geomatics, Surveying, Geotechnical Engineering, GIS, Microbiology, Bacteriology, Coastal Engineering, Marine Biology, Organic Chemistry, Pollution Control, Remote Sensing,

Traffic Engineering, Solid Waste Management, Economics, Technical Communication, Programming with Mathematica, Python, MATLAB, VBA, BIM, Dynamo & Navisworks, Adobe Cloud Suite, AutoCAD, Inventor, SketchUp, SolidWorks, 3D Laser Scanning, Business Ethics, Critical Thinking, Electrical Controls, Public Speaking for Engineers, System Dynamics & Controls, Engineering Mechanics: Dynamics, Energy Fundamentals, Fluid Mechanics & CFD, Heat Transfer, Thermodynamics, and Differential Equations.

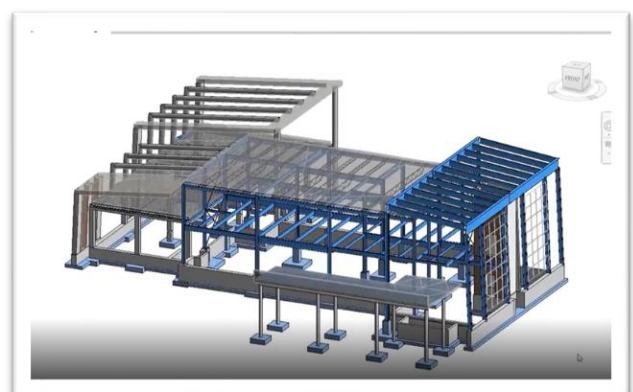


Architectural based specific elective topics include Home Construction, Roman & Postmodern Architecture, Designing a Healthcare Facility with Revit and BIM, Residential Architecture, Architectural Visualization, Design of Small Homes & Energy-Efficient Buildings, Solar Design, Interior Design for Kitchens, Lighting & Modern Homes, Daylighting, Feng Shui, Landscaping & Garden Design, Urban Design Foundations & Strategic Planning, Lumion, Grasshopper, Sustainability, Hydraulics &

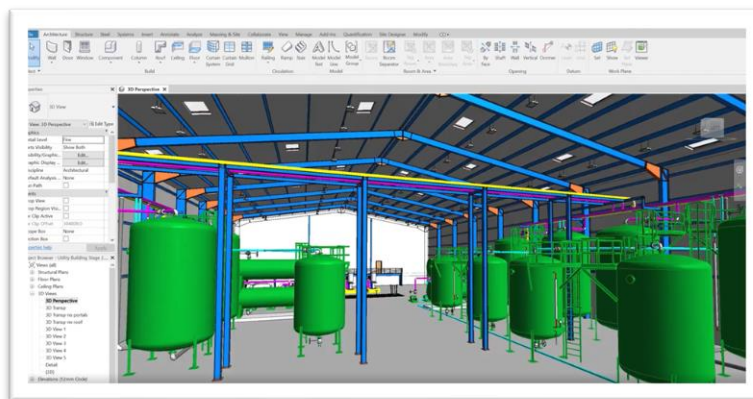
Hydrology, Skyscrapers, Environmental Engineering Chemistry, Illustrator, InDesign, After Effects, Premiere Pro, Augmented Reality, Python for Math, plus Green Building Concepts and LEED Certification Introduction.

You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, plus more!

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section



30 Approved. We also offer various other financing options. Where to start? Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here: <https://www.visible-edge.com/building-construction-design-applications-specialist/>



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Civil Design Technologies



The Civil Design Technologies Certificate program focuses on teaching the required skills used by people in the Civil Design Industry. Modern infrastructure upgrade requirements are putting a strain on the availability of existing resources with these skills which are in high demand! Existing technologies and tools available are also rapidly expanding - creating large gaps between existing skill sets and the knowledge required today to meet current infrastructure demands. Throughout this comprehensive program, we'll explore

all of the subject matter and applications necessary to dive into the expansive world of Civil Design.

This program is designed for both absolute beginners and current industry specialists. First, the program focuses on the primary discipline specific subjects including Introduction to Civil Design Technologies, Architectural Graphics and Sketching, Basics of Civil Design & Engineering, Physics I (Algebra based), Chemistry Essentials, Civil Construction Drawings, Trigonometry & Precalculus Essentials, Statics for Civil & Architectural Designers, Strength of Materials, Soil Mechanics, Construction Industry:

Techniques and Technology, Reinforced Concrete Fundamentals, Foundation Engineering & Design, Surveying, AutoCAD Civil 3D Introduction, Highway Design, Highway Engineering, AutoCAD Civil 3D Essentials, Hydraulics and Hydrology, Water & Wastewater Systems, Under Ground Piping Networks, AutoCAD MEP.



Subject matter also includes a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



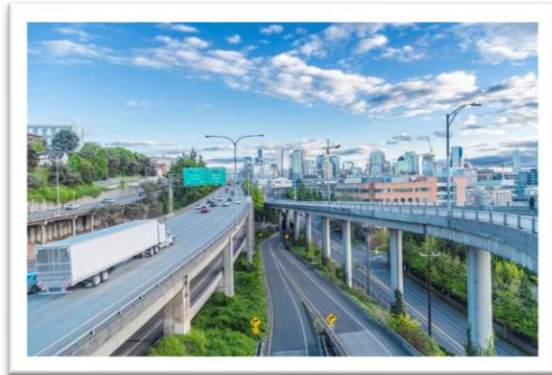
Interleaved within the core courses you will also study to become a proficient 3D Parametric Solid Modeler & Detailer using an industry standard 3D Computer Aided Design tool called Revit. You will learn to create 3D models and produce technically accurate drawings of building and other civil structures while learning industry standard drafting & modeling practices. Core topics will be Revit Essential Training: Architecture, Creating Concrete Buildings, Construction Modeling

Tools, Detailing, Structure, and Industrialized Construction.

Students will have the opportunity to earn an industry recognized Certification Autodesk Certified Professional Credentials (ACP) in **Revit for Structural ACP**, **AutoCAD Drafting & Design ACP**, and **Revit for Architectural ACP**.



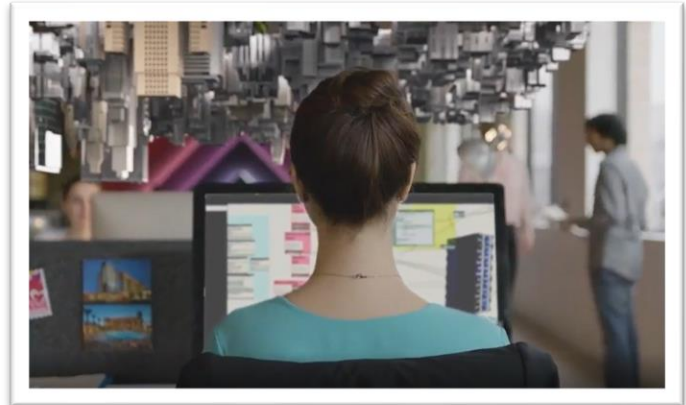
For students wishing to pursue a Diploma Level Program additional subject matter will include Environmental Engineering Chemistry, Revit Architecture: Advanced Modeling, Calculus I, Environmental Pollution & Protection, Analysis & Applications using Mathematica, Python for Math & Spatial Metrics, Engineering Mechanics: Statics, Calculus II, Physics, Project Management, Environmental Chemistry, Differential Equations, Algebra (Linear), Materials Science: Physical



Metallurgy I, Fluid Mechanics I, Structural Analysis, Reinforced & Prestressed Concrete, Environment & Ecology Management Concepts, Probability & Statistics, Project Planning and Design, Technical Writing and Calculus III. These topics may also be taken as electives for Certificate level students.

Other optional electives include core fundamental training in over 200 additional program related topics such as

Construction Management, Planning, Measurements, Cost Estimation, Job Sites, and Methodologies. Bridge & Footbridge Design, Engineering for Earthquakes, Geology, Geomatics, Surveying, Geotechnical Engineering, GIS, Microbiology, Bacteriology, Coastal Engineering, Marine Biology, Organic Chemistry, Pollution Control, Remote Sensing, Traffic Engineering, Solid Waste Management, Economics, Technical Communication, Programming with Mathematica, Python, MATLAB, VBA, BIM, Dynamo & Navisworks, Adobe Cloud Suite, AutoCAD, SketchUp, SolidWorks, 3D Laser Scanning, Business Ethics, Critical Thinking, Electrical Controls Fundamentals, Public Speaking for Engineers, System Dynamics & Controls, Engineering Mechanics: Dynamics, Energy Fundamentals, Fluid Mechanics & CFD, Heat Transfer, Thermodynamics, and Differential Equations. In addition, topics included in the Architectural Design Technologies program are also available as electives.

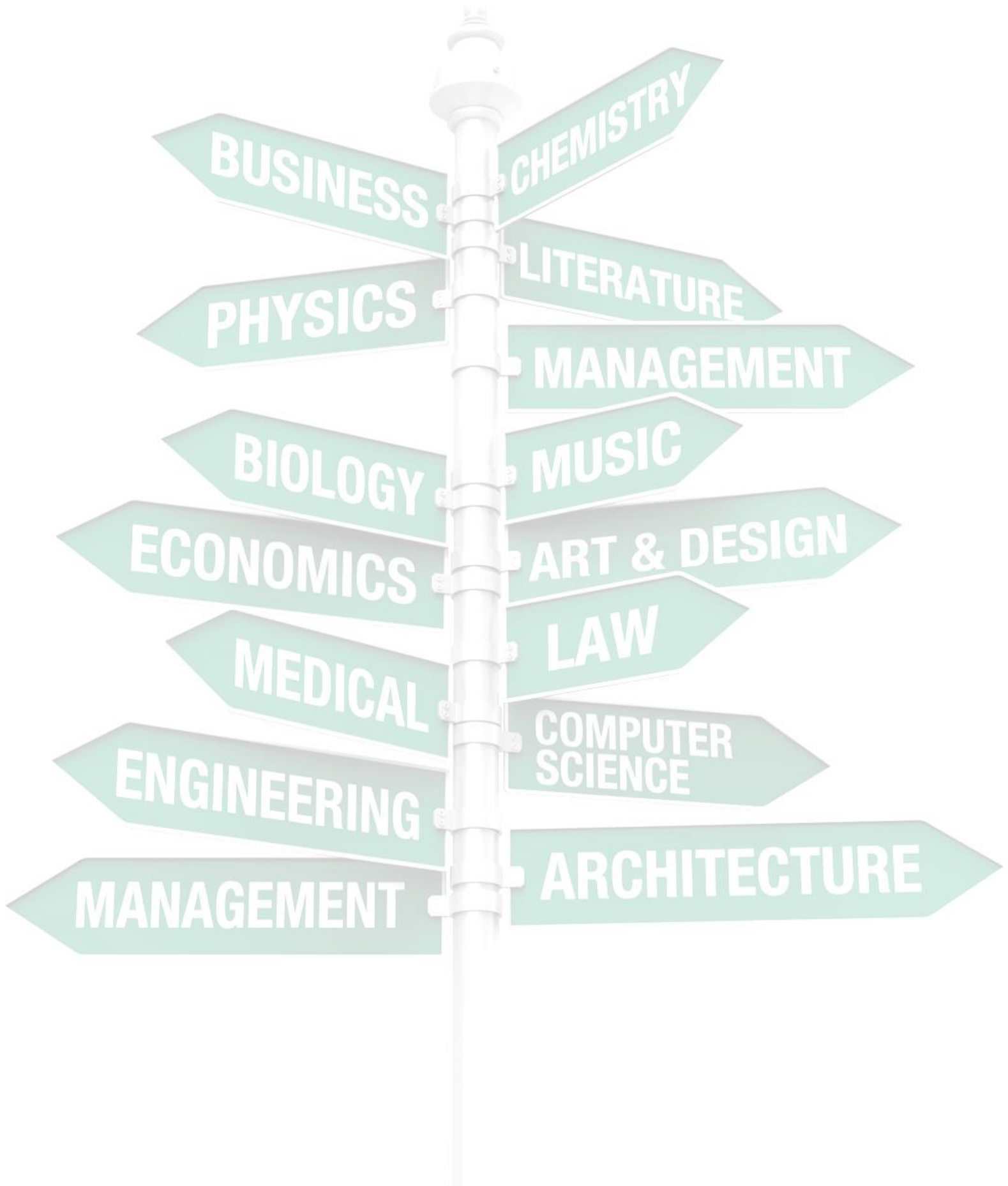


You will also have the option to learn Windows 10 Essentials and the entire Microsoft (Office) 365 suite of applications including Word, Excel, PowerPoint, Publisher, OneNote, OneDrive, Outlook, Teams, Visio, Project, Planner, plus more!

As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options. Where to start? Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/civil-design/>

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UNDECLARED & EXPLORATORY PROGRAMS



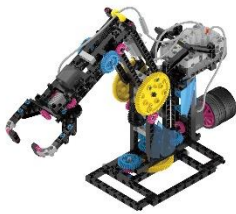
Open Career Studies (Undeclared)



This program is for individuals who have existing job experience in a particular field but need additional, targeted skills, to broaden their marketability or to help qualify for a more specific job position. It is meant to help a person fill in the skills gaps that may have developed during their career by introducing them to techniques and technologies they have not been exposed to while in previous positions.



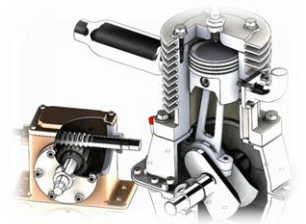
You will be offered courseware that targets specific skills to meet your job qualification goals.



Want to learn some new skills without going through a full certification program for a single discipline? Maybe you already have basic skills for a specific career but never had the opportunity to learn the more advanced functionality of the tasks you have been executing or applications you have been using.



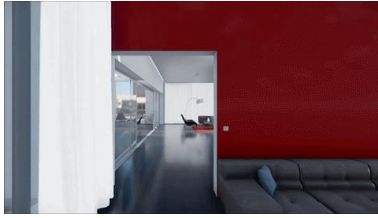
We have courses available in Information Technology (IT), Cybersecurity, Project Management, Design, CAD, (Big) Data Analytics, Programming, Digital Marketing, Web Design, Animation, Business Intelligence (BI), Robotics, Manufacturing and Production Technologies, Internet of Things (IoT), Office software applications, and more... You can mix and match to your requirements.



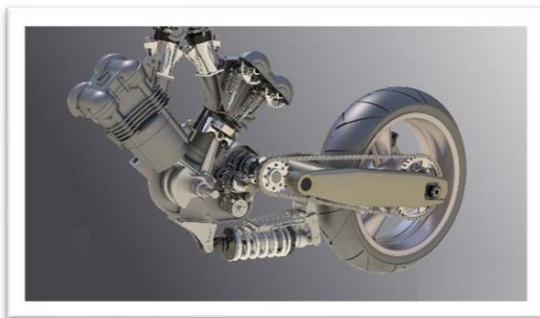
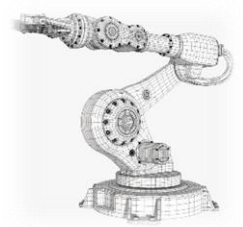
You will be able to select from a wide range of over 1,100 available, in-demand and unique courses that span all of our available programs to develop a completely customized program for you! Feel free to review our individual programs for a sampling of the courses available.



This program is similar to the Science and Technology Exploration Program (STEP). The difference is we are letting you hand-pick from our list courses.



Do you have to take every course you initially select? No! If during your learning process you find a subject you would like to pursue in more depth, we can reassign your remaining hours to focus on that topic: maximizing the value of the program for you!



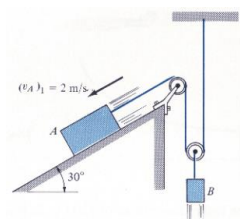
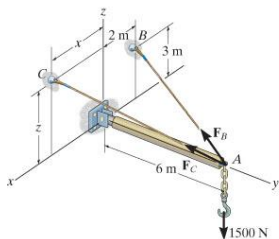
As an added benefit, if you are currently unemployed, you may qualify to have the entire program paid for, 100%, without any out-of-pocket costs to you. We are WIOA, Trade Act and Section 30 Approved. We also offer various other financing options.



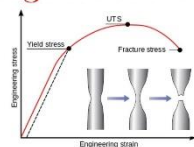
Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program



please visit our website here <https://www.visible-edge.com/open-career-studies/>

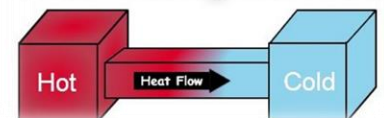


Strength of Materials



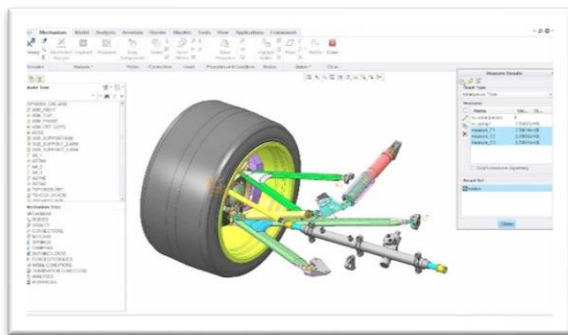
Stress - Strain Diagram

Thermodynamics



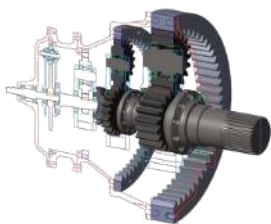
Science & Technology Exploration Program (STEP)

Not sure what you want to do for a career? Not ready to drop \$25,000 to \$65,000 for the first year at your favorite College or University only to find out you or your child picked the wrong career path? This exploratory program gives the individual exposure to many possible career paths, while earning some industry-recognized credentials, without breaking the bank.



Explore CAD Technologies, Manufacturing Processes & Sciences, Information Technology & Cybersecurity, Graphic Design, Digital Marketing, Computer Animation, Engineering Mathematics, an Introduction to Mechanical & Electrical Engineering, Probability & Statistics, Aerospace and Spacecraft Engineering, Internal Combustion Engines, Architectural Design, Electricity & Electronics, Data Science and Business Intelligence, Internet of Things (IoT), Programming in Python & SQL, Robotics and more!

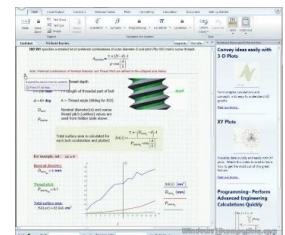
We have hand-picked these from our list of over 1,100 courses to offer a broad overview of some of the science and technology career paths a person can ultimately take. Subject matter may also include a deep dive into using Artificial Intelligence (AI) technologies such as ChatGPT, Google Gemini and many other tools in your day-to-day job functions.



Do you have to take every one of these? No! If during your learning process you find a subject you would like to pursue in more depth, we can reassign your remaining hours to focus on that topic, maximizing the value of the program for you!



Already know you are not interested in some of these specific topics. No problem. Swap them out for flex time and decide how to use those hours later in the program once you have completed the core courses. This program is meant to help guide a person into a longer-term career path while learning marketable skills and having some fun! Our counselors are available to help put together a customized program to meet your needs. For the latest list of courses please see the [Addendum](#). For a full description of the program please visit our website here <https://www.visible-edge.com/science-technology-exploration-program/>



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PROGRAM PREREQ's & PROSPECTS

Program Prerequisites



The majority of our base programs have been specifically designed to support disadvantaged individuals, displaced workers, and recent high school graduates to allow them to qualify for an entry level position in a new career. Unless specified otherwise, all programs can be taken as entry level programs, meaning no prior skills are required other than the core pre-requisites below.

For those who may have existing applicable skills, our programs will help a student qualify for a higher paying position in the field they are already in or into a whole new career depending on the program level selected.



The only pre-requisites for the majority of our programs are a High School Diploma (or GED) and a working knowledge of the English language. We do offer business level ESL, English grammar, and fundamentals of mathematics courses as refreshers. These are offered at no charge to help a student prepare for their entry into their chosen program. Some programs, like our Project Management Professional (CAPM/PMP) Program, may require prior documentable experience or credentials.



Other higher level post-secondary and industry recognized credentials are a plus and may allow a student to receive credit against core required courses for their program of choice. To receive credit for post-secondary credentials, the credentials must have been earned through a

career school licensed by the Department of Education or through an accredited post-secondary institution.



In addition, the candidate should have been using the applicable skills learned in a recent employment position or have received the credential within the last 24-months. CLEP or other competency-based exams are also available and may be required to receive full credit.



job postings

The job titles listed in the following program descriptions job positions that have traditionally required the skills being taught in each of these respective programs.

Actual titles may vary and may require previous credentials or training. The prospective job titles may also be used as a guide in determining how a person's previous employment experience may be used in determining the optimal program a person may enroll in.



Pre-Requisites are provided as a general guideline.

- Please always review with a Ve-I Career Counselor before making a final decision.
- If you are unsure if you qualify for a particular program, please speak with one of our Ve-I Career Counselors.
- An industry standard test may be administered to verify a minimum of HS equivalency in Math and English skills.

We are here for you!

Job Title Matching

The following sections demonstrate the different job titles that may benefit from training in a particular program. This is meant to be a general aid and is not a comprehensive listing of all possible job titles.

Positions are not guaranteed.

Every company has their own set of requirements regarding a candidates' qualifications, and they can change at will. Employability is ultimately up to many factors that include, but are not limited to, the individual's ability to demonstrate their capability to use what they learned, their interviewing skills, their personal presentation, past employment experience, degree level, etc....

Advanced Manufacturing Technologies

Manufacturing Applications Specialist

Engineers* - Manufacturing Engineer, Process/Continuous Improvement Engineer, Reliability Engineer, Tooling Process Engineer, Industrial Engineer, Mechanical Engineer, Electrical Engineer, Validation Engineer, Software Engineer, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer, Applications Engineer, Packaging Engineer, Other variations...

Designers & Programmers - Mechanical Designer, Electrical Designer, Industrial Designer, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer, Manufacturing Programmer (CNC), Draftsman

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers, Manufacturing Specialist

Managers – Manufacturing Manager, Quality Manager, Technical Manager, Compliance Manager, Production Manager, Industrial Manager, Construction Manager, Architectural and Engineering Managers, Medical & Health Manager, General Manager, Operations Manager, Storage & Distribution Manager, Regulatory Affairs Managers, Quality Control Analysts & Managers, Lead Lean Specialist, Program Manager, Production Coordinator, Production Control Specialist

Supervisors – Manufacturing Supervisor, Production Supervisor, Maintenance Supervisor, Installation & Repair Supervisors, any General Worker Supervisor

General Labor – Machinist, Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors, Testers

Safety - Occupational Health and Safety Specialists

Logistics - Logisticians, Production Planning, Expediting Clerks, Production Control Specialist, Production Coordinator

**Engineer titles usually require a 2 or 4-year degree.*

Robotics & the Internet of Things (IoT)

Engineers* - Robotics Engineer, Software Engineer, Electrical Engineer, Mechanical Engineer, Mechanical Design Engineer, Design Engineer, Applications Engineer, Biomedical Engineer, Aerospace Engineer, Junior Engineer, Principle Engineer, Lead Engineer, Field Service Engineer, Engineering Aide, Computer Hardware Engineers, Chemical Engineer, Civil Engineer, Validation Engineer, Manufacturing Engineer, Industrial Engineer, Computer Systems, Automation Engineer, Engineers/Architects, Network Engineer, Network Architect, Computer Network Architects, Computer & Information Research Scientists, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer

Designers & Programmers - Mechanical Designer, Electrical Designer, Industrial Designer, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers

Developers - Software Developer, Applications Developer, Web Developer, Database Architects, Database Administrators, Computer Programmers

Managers - Network and Computer Systems Administrator, Information Technology Project Manager, Computer and Information Systems Manager, Quality Manager, Technical Manager, Compliance Manager, Production Manager, Industrial Production Manager, Architectural Engineering Manager, Engineering Manager, General Manager, Operations Manager, Storage & Distribution Manager, Quality Control Manager

Supervisors - Production Supervisor, Maintenance Supervisor, Installation & Repair Supervisors

General Labor - Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors, Testers

Safety - Occupational Health and Safety Specialists

Logistics - Logistics, Logisticians, Production Planning

Analysts - Security Analyst, Computer Systems Analyst, Information Security Analyst, Regulatory Affairs Specialists, Operations Research Analyst, Management Analyst, Business Intelligence Analyst, Financial Analyst, Quality Control Analyst

Scientists - Biologists, Medical Scientists, Chemists, Computer & Information Research, Statisticians, Biostatisticians

**Engineer titles usually require a 2 or 4-year degree.*

Production Technologies

Engineers* - Manufacturing Engineer, Industrial Engineer, Mechanical Engineer, Electrical Engineer, Quality Control Engineer, Robotics Engineer, Software Engineer, Electrical Engineer, Mechanical Engineer, Mechanical Design Engineer, Design Engineer, Applications Engineer, Biomedical Engineer, Aerospace Engineer, Junior Engineer, Principal Engineer, Lead Engineer, Field Service Engineer, Engineering Aide, Validation Engineer, Quality Control Engineer

Designers & Programmers - Mechanical Designer, Electrical Designer, Industrial Designer, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, Engineering Technician

Managers - General and Operations Managers, Quality Manager, Technical Manager, Compliance Manager, Production Manager, Industrial Manager, Construction Manager, General Manager, Operations Manager, Quality Control Analysts & Managers, Quality Control Systems Managers, Administrative Services Managers

Supervisors - Production Supervisor, Maintenance Supervisor, Installation & Repair Supervisors, any General Worker Supervisor

General Labor - Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors, Testers, Sorters, Samplers, and Weighers

Safety - Occupational Health and Safety Specialists

Logistics - Production Planning, Expediting Clerks, Production Control Specialist, Production Coordinator

New Career for -

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Bartender Helpers, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Head Cooks, Dishwashers, Hosts & Hostesses, Lounge, Coffee Shop

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists

**Engineer titles usually require a 2 or 4-year degree.*

Architectural Design Technologies

Engineers* - Architectural Engineer, Civil Engineer, Structural Engineer, Mechanical Engineer, Project Engineer, Piping Engineer, HVAC Engineer, Electrical Engineer, Architect in Training (AIT), Assistant Civil Engineer

Designers - Architect, Architectural Designer, Architectural Drafter, Detailer, Draftsman, Associate Designer, Architectural Design Specialist

Managers - Construction Manager, Architectural Engineering Manager, Civil Engineering Manager, Project Manager, Engineering Manager, Project Leader

New Career for –

Construction Laborers, Production Workers, HVAC Mechanics and Installers, Automotive Specialty Technicians, Fine Artists, Including Painters, Sculptors, and Illustrators (Artistic capabilities as applied to Architectural Design)

**Engineer titles usually require a 2 or 4-year degree.*

AutoCAD Design Applications Specialist Building & Construction Design Applications Specialist

Engineers* - Architectural Engineer, Civil Engineer, Structural Engineer, Manufacturing Engineer, Industrial Engineer, Mechanical Engineer, Quality Control Engineer, Project Engineer, Piping Engineer, HVAC Engineer, Electrical Engineer, Architect in Training (AIT), Assistant Civil Engineer, City Engineer, City Engineer

Designers & Programmers – Architect, Mechanical Designer, Electrical Designer, Industrial Designer, Architectural Designer, Civil Designer, Commercial Building Designer, Detailer, Draftsman, Associate Designer, Architectural Design Specialist

Managers - Architectural Manager, Civil Manager, Quality Manager, Technical Manager, Project Manager, Construction Manager, Engineering Manager, General Manager

Supervisors - Construction Supervisor, Production Supervisor, Project Leader, Maintenance Supervisor, Installation & Repair Supervisors, any General Worker Supervisor

General Labor - Construction Workers, Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors (to enter a drafting position)

New Career for –

Construction Laborers, Production Workers, HVAC Mechanics and Installers, Automotive Specialty Technicians, Fine Artists, Including Painters, Sculptors, and Illustrators (Artistic capabilities as applied to Architectural Design)

**Engineer titles usually require a 2 or 4-year degree.*

Civil Design Technologies

Engineers* - Architectural Engineer, Civil Engineer, Structural Engineer, Manufacturing Engineer, Industrial Engineer, Mechanical Engineer, Quality Control Engineer, Project Engineer, Piping Engineer, HVAC Engineer, Electrical Engineer, Architect in Training (AIT), Assistant Civil Engineer, City Engineer, Civil Design Engineer

Designers & Programmers – Architect, Mechanical Designer, Electrical Designer, Industrial Designer, Architectural Designer, Civil Designer, Commercial Building Designer, Detailer, Draftsman, Associate Designer, Architectural Design Specialist, Civil Design Specialist, Piping Designer, HVAC Designer, Electrical Designer, Structural Designer

Managers - Construction Manager, Architectural Engineering Manager, Civil Engineering Manager, Architectural Manager, Quality Manager, Technical Manager, Project Manager, Project Leader, Construction Manager, Engineering Manager, General Manager

Supervisors - Construction Supervisor, Production Supervisor, Project Leader, Maintenance Supervisor, Installation & Repair Supervisors, any General Worker Supervisor

General Labor - Construction Workers, Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors (to enter a drafting position)

New Career for –

Construction Laborers, Production Workers, HVAC Mechanics and Installers, Automotive Specialty Technicians, Fine Artists, Including Painters, Sculptors, and Illustrators (Artistic capabilities as applied to Architectural Design)

**Engineer titles usually require a 2 or 4-year degree.*

Revit Architectural Design Applications Specialist

Engineers* - Architectural Engineer, Civil Engineer, Structural Engineer, Mechanical Engineer, Project Engineer, Piping Engineer, HVAC Engineer, Electrical Engineer, Architect in Training (AIT), Assistant Civil Engineer, Manufacturing Engineer, Industrial Engineer, Quality Control Engineer

Designers - Architect, Architectural Designer, Architectural Drafter, Detailer, Draftsman, Associate Designer, Architectural Design Specialist, Civil Designer, Structural Designer, Mechanical Designer, Electrical Designer, Industrial Designer, Commercial Building Designer

Managers - Construction Manager, Architectural Engineering Manager, Civil Engineering Manager, Project Manager, Engineering Manager, Project Leader, Architectural Manager, Civil Manager, Quality Manager, Technical Manager, General Manager, CAD Administrator, PDM/PLM Administrator, PDM/PLM Manager, Documentation Control Specialists, Database Administrator

Supervisors - Construction Supervisor, Installation & Repair Supervisors, Production Supervisor, Maintenance Supervisor, any General Worker Supervisor

General Labor - Construction Workers, Production Workers, Maintenance Workers, HVAC Mechanics and Installers, Mechanics, General Installers, Repair Workers, Installation Workers, Inspectors (to enter a drafting position)

New Career for –

Construction Laborers, Production Workers, HVAC Mechanics and Installers, Automotive Specialty Technicians, Fine Artists, Including Painters, Sculptors, and Illustrators (Artistic capabilities as applied to Architectural Design)

**Engineer titles usually require a 2 or 4-year degree.*

Artificial Intelligence (AI) Technologies

Analysts - Business Analytics Specialist, Logistics Analysts, Data Analyst, Data Analytics Consultant, Computer Systems Analysts, Information Security Analysts, Operations Research Analysts, Management Analysts, Business Intelligence Analysts, Financial Analysts, Quality Control Analysts, Compensation Analysts, Benefits Analysts, Job Analysis Specialist, Quantitative Analyst, Operations Analyst, Marketing Analyst, IT Systems Analyst, Logistics Analyst

Scientists – Machine Learning Scientist, Data Scientist, Biologists, Medical Scientists, Chemists, Computer & Information Research, Statisticians, Biostatistician

Engineers* - Big Data Engineer, Data Engineer, Business Intelligence (BI) Engineer, Software Engineer, Machine Learning Engineer, Electrical Engineer, Mechanical Engineer, Chemical Engineer, Civil Engineer, Validation Engineer, Manufacturing Engineer, Industrial Engineer, Computer Hardware Engineers, Computer Systems Engineers/Architects, Network Engineer, Network Architect, Computer & Information Research Scientists, Software Quality Assurance Engineers and Testers, virtually any Engineering position

Developers - Machine Learning Scientist, Data Visualization Developer, Software Developers, Applications Developer, Web Developer, Database Architects, Database Administrators, Computer Programmers, BI Solutions Architect, BI Specialist

Managers - Mechanical Engineering Manager, Electrical Engineering Manager, Manufacturing Engineering Manager, any other Engineering Manager, Marketing Manager, Computer & Information Systems Manager, IT Manager, IT Project Manager, Network & System Administrators, General Manager, Operations Manager, Natural Science Manager, Quality Control Systems Manager, Analytics Manager, Project Manager

Artificial Intelligence (AI) in the Workplace

Analysts - Business Analytics Specialist, Logistics Analysts, Data Analyst, Data Analytics Consultant, Computer Systems Analysts, Information Security Analysts, Regulatory Affairs Specialists, Operations Research Analysts, Management Analysts, Business Intelligence Analysts, Financial Analysts, Quality Control Analysts, Compensation Analysts, Benefits Analysts, Job Analysis Specialist, Quantitative Analyst, Operations Analyst, Marketing Analyst, IT Systems Analyst, Logistics Analyst

Scientists – Machine Learning Scientist, Data Scientist, Biologists, Medical Scientists, Chemists, Computer & Information Research, Statisticians, Biostatistician

Engineers* - Big Data Engineer, Data Engineer, Business Intelligence (BI) Engineer, Software Engineer, Machine Learning Engineer, Electrical Engineer, Mechanical Engineer, Chemical Engineer, Civil Engineer, Validation Engineer, Manufacturing Engineer, Industrial Engineer, Computer Hardware Engineers, Computer Systems Engineers/Architects, Network Engineer, Network Architect, Computer & Information Research Scientists, Software Quality Assurance Engineers and Testers, virtually any Engineering position

Designers - Architectural Designer, Civil Designer, Structural Designer, Mechanical Designer, Electrical Designer, Industrial Designer, Commercial Building Designer

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers

Medical & Mental Health - Medical and Clinical Laboratory, Medical Records & Health Information, Healthcare Technologists, Veterinary Technologists, Mental Health Counselors, Internists (General), Radiologic Technologists, Biological Technologist, Cardiovascular Technologists, Physicians, Surgeons, other MD's, DO's, etc... (on Data Science), Counselors, Diagnostic Medical Sonographers, Dietitians, Nutritionists, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainers

Developers - Machine Learning Scientist, Data Visualization Developer, Software Developers, Applications Developer, Web Developer, Database Architects, Database Administrators, Computer Programmers, BI Solutions Architect, BI Specialist

Managers - Mechanical Engineering Manager, Electrical Engineering Manager, Manufacturing Engineering Manager, any other Engineering Manager, Marketing Manager, Computer & Information Systems Manager, IT Manager, IT Project Manager, Network & System Administrators, General Manager, Operations Manager, Natural Science Manager, Quality Control Systems Manager, Analytics Manager, Project Manager

Supervisors - Production Supervisors, Mechanic Supervisors, Installer Supervisors, Repair Supervisors, Production & Operating Worker Supervisors, Coaches, Computer User Support Supervisors

Accounting & Finance - Accountants, Treasurers, Controllers, Tax Examiners, Tax Collectors, Revenue Agents, Compensation Specialists, Benefits Specialists, Job Analysis Specialists, Auditors, Chief Executives, Personal Financial Advisors

Logistics - Logisticians, Logistics Analysts, Production Planning, Transportation Logistics Specialist

Software Engineering Technologies*
Data Analytics Applications Specialist
Data Analytics Technologies
Data Science & Machine Learning Technologies

Analysts - Business Analytics Specialist, Logistics Analysts, Data Analyst, Data Analytics Consultant, Computer Systems Analysts, Information Security Analysts, Regulatory Affairs Specialists, Operations Research Analysts, Management Analysts, Business Intelligence Analysts, Financial Analysts, Quality Control Analysts, Compensation Analysts, Benefits Analysts, Job Analysis Specialist, Quantitative Analyst, Operations Analyst, Marketing Analyst, IT Systems Analyst, Logistics Analyst

Scientists – Machine Learning Scientist, Data Scientist, Biologists, Medical Scientists, Chemists, Computer & Information Research, Statisticians, Biostatistician

Engineers* - Big Data Engineer, Data Engineer, Business Intelligence (BI) Engineer, Software Engineer, Machine Learning Engineer, Electrical Engineer, Mechanical Engineer, Chemical Engineer, Civil Engineer, Validation Engineer, Manufacturing Engineer, Industrial Engineer, Computer Hardware Engineers, Computer Systems Engineers/Architects, Network Engineer, Network Architect, Computer & Information Research Scientists, Software Quality Assurance Engineers and Testers, virtually any Engineering position

Designers - Architectural Designer, Civil Designer, Structural Designer, Mechanical Designer, Electrical Designer, Industrial Designer, Commercial Building Designer

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers

Medical & Mental Health - Medical and Clinical Laboratory, Medical Records & Health Information, Healthcare Technologists, Veterinary Technologists, Mental Health Counselors, Internists (General), Radiologic Technologists, Biological Technologist, Cardiovascular Technologists, Physicians, Surgeons, other MD's, DO's, etc... (on Data Science), Counselors, Diagnostic Medical Sonographers, Dietitians, Nutritionists, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainers

Developers - Machine Learning Scientist, Data Visualization Developer, Software Developers, Applications Developer, Web Developer, Database Architects, Database Administrators, Computer Programmers, BI Solutions Architect, BI Specialist

Managers - Mechanical Engineering Manager, Electrical Engineering Manager, Manufacturing Engineering Manager, any other Engineering Manager, Marketing Manager, Computer & Information Systems Manager, IT Manager, IT Project Manager, Network & System Administrators, General Manager, Operations Manager, Natural Science Manager, Quality Control Systems Manager, Analytics Manager, Project Manager

Supervisors - Production Supervisors, Mechanic Supervisors, Installer Supervisors, Repair Supervisors, Production & Operating Worker Supervisors, Coaches, Computer User Support Supervisors

Accounting & Finance - Accountants, Treasurers, Controllers, Tax Examiners, Tax Collectors, Revenue Agents, Compensation Specialists, Benefits Specialists, Job Analysis Specialists, Auditors, Chief Executives, Personal Financial Advisors

Logistics - Logisticians, Logistics Analysts, Production Planning, Transportation Logistics Specialist

New Career for (Excludes Data Science & Machine Learning) -

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Bartender Helpers, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Head Cooks, Dishwashers, Hosts & Hostesses, Lounge, Coffee Shop

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists

**Engineer titles usually require a 2 or 4-year degree.*

Digital Marketing Applications Specialist
Digital Marketing & Web Design Technologies
Digital Marketing & Animation Technologies
Graphics Design Applications Specialist
Graphics Design Technologies

Designers & Developers - Graphic Designers, Junior Graphics Designer, Artists, Painters, Sculptors, Illustrators, Self-Enrichment Education Teachers, Commercial and Industrial Designers, Animator, Motion-graphics Animator, Freelance Animator, Motion Effects Artist, 3D Motion Graphics Artist, Visual Designer, Web Designer, CAD Technician, UI Artist Designer, Web Developers, Software Developers

Sales - Retail Sales, Real Estate Agents, Insurance Agents, Sales Representatives, Services Representative, Wholesale & Manufacturing Representative, Technical & Scientific Product Sales, Product Demonstrators & Promoters, other Sales

Marketing - Sales & Marketing Support, Graphic Design and Marketing , Public Relations Specialists, Content Creator, Fundraising positions, Meeting, Convention, and Event Planners, Editors, Technical Writers, Market Research Analysts, Marketing Specialists

Managers - Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Office Clerk, General Office Labor, Office and Administrative Support Workers, Retail & Non-Retail Sales Workers

New Career for -

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Dishwashers, Hosts & Hostesses

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists.

Other skills and experience that are good fits include but are not limited to people with backgrounds in Sales/Marketing, CAD/Drafting, Mechanical Designers, Manufacturing Engineers, Production Floor Assemblers or Drafters.

Game Design and Development Technologies

Designers & Developers – Game Designer, Game Development, Game Programmers, Graphic Designers, Junior Graphics Designer, Artists, Painters, Sculptors, Illustrators, Self-Enrichment Education Teachers, Commercial and Industrial Designers, Animator, Motion-graphics Animator, Freelance Animator, Motion Effects Artist, 3D Motion Graphics Artist, Visual Designer, Web Designer, CAD Technician, UI Artist Designer, Web Developers, Software Developers

Marketing - Sales & Marketing Support, Graphic Design and Marketing , Content Creator, Fundraising positions, Meeting, Convention, and Event Planners, Editors, Technical Writers, Market Research Analysts, Marketing Specialists

New Career for – Essentially anyone!

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Dishwashers, Hosts & Hostesses

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists.

Other skills and experience that are good fits include but are not limited to people with backgrounds in Sales/Marketing, CAD/Drafting, Mechanical Designers, Manufacturing Engineers, Production Floor Assemblers or Drafters.

GIS and Digital Cartography Technologies

Engineers* - Civil Engineer, Software Engineer, Mechanical Engineer, Computer Systems Engineer

Developers - Software Developer, Applications Developer, Web Developer, Database Architects, Database Administrators, Computer Programmers

Logistics - Logisticians, Logistics Analysts

**Engineer titles usually require a 2 or 4-year degree.*

Information Technology Essentials

IT Help Desk Support Technologies*

Microsoft (Office) 365 Administration Technologies

Engineers* - Software Engineer, Computer Systems Engineer, Entry Level Computer Engineer, Sales Engineer, Computer Hardware Engineer, any Engineer that needs to manage a computer network (i.e. in a small company)

Developers - Software Developer, Applications Developer, Web Developer, Database Architect

Managers - Computer and Information Systems Manager, IT Manager, IT Project Manager, Network & System Administrator, any position that needs to get basic Industry Recognized IT Credentials

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Chemical Technician, Testing Technician, Software Quality Assurance Testers, any Technician working with computers

Analysts & Support - IT Support, User Support, Help Desk Support, Customer Support, Computer and Information Research Scientist, Customer Service Representatives, Computer User Support Specialist

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Office Clerk, any office employee who may have to support a small network

Technicians - Computer Technician, IT Technician, Network Technician, Help Desk Technician, PC Technician, Virus Technician, QA Tester, IT Intern

**Engineer titles usually require a 2 or 4-year degree.*

New Career for -

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Bartender Helpers, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Head Cooks, Dishwashers, Hosts & Hostesses, Lounge, Coffee Shop

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists

Windows Desktop & Server Administration Technologies

Network Administration Technologies

Any position listed under the Information Technology Essentials, IT Help Desk Support Technologies, Microsoft (Office) 365 Administration Technologies plus the following:

Engineers* - Software Engineer, Computer Systems Engineer, Computer Systems Engineers/Architects, Computer & Information Research Scientists, Network Engineer, Computer Network Architects, Network Architect, any Engineer responsible for a computing environment

Technicians - Computer Technician, IT Technician, Network Technician, Help Desk Technician, PC Technician, Virus Technician, QA Tester, IT Intern, Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Biological Technician, Medical and Clinical Laboratory Technicians, Biological Technicians, Chemical Technician, Testing Technician, Software Quality Assurance Testers, any Technicians responsible for a networked computing environment.

Developers - Software Developer, Applications Developer, Web Developer, Database Architect

Managers - Computer and Information Systems Manager, IT Manager, IT Project Manager, Information Technology Project Manager, Network & System Administrator, Database Administrator, Engineering Manager

Support - Customer Service Representative, Computer User Support Specialist, any computer user who has/may become the de facto network administrator

Specialists - Data Recovery Specialist, Disaster Recovery Specialist, Computer Support Specialist

Administrators - Entry Level Network Administrator, Junior Salesforce Administrator, System Administrator, Network Administrator, Database Administrator, Salesforce Administrator

**Engineer titles usually require a 2 or 4-year degree.*

Cloud Computing Technologies*

Cybersecurity & Information Technology (IT)*

Engineers** - Software Engineer, Manufacturing Engineer, Mechanical Engineer, Computer Systems Engineer, Network Engineer, Network Architect, Automotive Security Engineer, Blockchain Developer / Engineer, Cybersecurity Software Developer, Cybersecurity Software Engineer, Cybersecurity Hardware Engineer, Mobile Security Engineer, Junior Dev Ops Engineer, Entry Level Computer Engineer, Computer Engineer, Sales Engineer, Devops Engineer, Entry Level Dev Ops Engineer, Computer Hardware Engineer, any Engineer responsible for securing a computing environment.

Analysts & Scientists - Cybersecurity Analyst, Computer Systems Analyst, Information Security Analyst, Regulatory Affairs Specialist, Entry Level Data Analyst, Entry Level Data Scientist, Data Scientist, Junior Data Scientist, Data Analyst, Counterespionage Analyst, Data Security Analyst, Digital Forensics Analyst, Information Assurance Analyst, Information Security Analyst, Intrusion Detection Analyst, Malware Analyst, PKI (Public Key Infrastructure) Analyst, Security Operations Center (SOC) Analyst, SCADA (Supervisory control and data acquisition) Security Analyst, Information Security Analyst, Cyber Security Analyst, Systems Analyst

Ethical Hacking – Ethical / White Hat Hacker, Blue Team Member, Bug Bounty Hunter, Penetration Tester (Pen-Tester), Red Team Member, Threat Hunter, Vulnerability Assessor

Specialists - Artificial Intelligence Security Specialist, Cyber Insurance Policy Specialist, Cyber Intelligence Specialist, Cyber Operations Specialist, Data Recovery Specialist, Disaster Recovery Specialist, IIoT (Industrial Internet of Things) Security Specialist, IoT (Internet of Things) Security Specialist, Computer Support Specialist, Security Awareness Training Specialist, Security Auditor, Source Code Auditor, Cryptographer, Cybercrime Investigator, Cybersecurity Lawyer, Cloud Security Architect, Data Privacy Officer, Incident Responder, Entry Level QA Tester, IT Security Architect

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, most other Engineering Technician positions, Biological Technician, Chemical Technician, Testing Technician, Software Quality Assurance Tester, Computer Technician, IT Technician, Network Technician, Help Desk Technician, PC Technician, Virus Technician, QA Tester, IT Intern and any Technicians responsible for securing a network

Developers - Software Developer, Applications Developer, Web Developer, Database Architect

Managers - Computer and Information Systems Manager, IT Project Manager, Network & System Manager, Operations Manager, Manufacturing Manager, CIO, IT Manager, Systems Manager, CIO, IT Director, Cybersecurity Scrum Master, Security Operations Center (SOC) Manager, Chief Information Security Officer (CISO), Chief Security Officer (CSO), Governance Compliance & Risk (GRC) Manager, Information Security Manager/Director

Administrators - Application Security Administrator, Network Security Administrator, Entry Level Network Administrator, Junior Salesforce Administrator, System Administrator, Network Administrator, Database Administrator, Salesforce Administrator, Oracle DBA, Office Administrators

**Requires CompTIA A+ or equivalent level Industry Recognized Certification or successful passing of an assessment exam.*

**Engineer titles usually require a 2 or 4-year degree.*

Mechanical Design Technologies

Designers - Drafters, CAD Users, Mechanical Designers, Electrical Designers, Industrial Designers, any other design or drafting role

Engineers* - Manufacturing Engineer, Civil Engineer, Architectural Engineer, Industrial Engineer, in order to gain design skills required by small to medium size companies

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, most Engineering Technician positions, any Technicians responsible for providing and evaluating product design feedback

New Career for -

Artists - Artists, Painters, Sculptors, Illustrators, Graphic Designers

General Laborers - Production & Manufacturing Workers, Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards

**Engineer titles usually require a 2 or 4-year degree.*

Mechanical Engineering Technologies

Engineers - Manufacturing Engineer, Civil Engineer, Architectural Engineer, Industrial Engineer, Hardware Engineer, Environmental Engineer, Associate Mechanical Engineer, Mechanical Engineer, Mechanical Design Engineer, Design Engineer, Industrial Engineer, Applications Engineer, Packaging Engineer, Manufacturing Engineer, Quality/QA Engineer, Robotics Engineer, Biomedical Engineer, Aerospace Engineer, Engineering Manager, Apprentice Engineer, Engineering Aide, Engineering Clerk, Junior Engineer, Principle Engineer, Lead Engineer, Automation Engineer, Field Service Engineer, Data Engineer, Engineering Internships

New Career for - Anyone

Designers - Drafters, CAD Users, Mechanical Designers, Electrical Designers, Industrial Designers, any other design or drafting role looking to advance into an associate engineering role

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, most Engineering Technician positions, any Technicians looking to advance into an associate engineering role

**Engineer titles usually require a 2 or 4-year degree.*

Mechanical Engineering Review

Managers - Engineering & Design Managers who want to get back into the engineering trenches

Engineers* - Mechanical Engineer, Civil Engineer, Architectural Engineer, Project Engineer, Piping Engineer, Cabling Engineer, Sheetmetal Engineer, Industrial Engineer, Commercial Building Engineer, Structural Engineer, Aerospace Engineer, Aviation Engineer, Manufacturing Engineer, in order to refresh basic engineering skills common to multiple engineering disciplines

**Engineer titles usually require a 2 or 4-year degree.*

SolidWorks Mechanical Design Applications Specialist
Inventor Mechanical Design Applications Specialist
Creo Mechanical Design Applications Specialist

Engineers* - Mechanical Engineer, Mechanical Designer Engineer, Civil Engineer, Architectural Engineer, Project Engineer, Piping Engineer, Cabling Engineer, Sheetmetal Engineer, Industrial Engineer, Commercial Building Engineer, Structural Engineer, Aerospace Engineer, Aviation Engineer, Manufacturing Engineer, Applications Engineer, Packaging Engineer, in order to gain design skills required by small to medium size companies

Designers - Mechanical Designer, Detailer, Draftsman, Mechanical Drafter, Civil Designer, Project Designer, Piping Designer, Cabling Designer, Sheetmetal Designer, Industrial Designer, Commercial Building Designer, Structural Designer, Aerospace Designer, Aviation Designer, Associate Designer, Design Specialist

Administrators - CAD Administrator, PDM/PLM Administrator, PDM/PLM Manager, Documentation Control Specialists, Database Administrator

**Engineer titles usually require a 2 or 4-year degree.*

Office Administration & Support Technologies

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Paralegal and Legal Assistant, Office Clerk, Receptionist and Information Clerk, Hotel, Motel, and Resort Desk Clerk, Librarian, Administrative Coordinator, Administrative Manager, Executive Assistant, Office Manager, Support Assistant, File Clerk, Bill Collector, Mail Clerk, Receptionist, Staff Assistant, Administrative Specialist, Program Coordinator, Client Relations Manager, Program Administrator, Administrative Officer, Administrative Director, Data Entry Clerk, Legal Assistant, Legal Aide, Legal Secretary

Medical & Mental Health - Registered Nurse, Critical Care Nurse, Nursing Assistant, Nurse Practitioner, Vocational Nurse, Clinical Research Coordinator, Medical Assistant, Dental Administrative Assistant, Medical and Clinical Laboratory Administrator, Biological Sciences Administration, Medical Records & Health Information Administration, Health Technology Administration, Veterinary Technology Administration, Mental Health Counselor Administration, Internists (General), Radiologic Technology Administration, Cardiovascular Technology Administration, Physicians Office Administration, Marriage and Family Therapist Office Administration, Dietitians & Nutritionists Office Administration, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainer, Aerobics Instructor, Health Technologists and Technician, Patient Representative, Physical Therapist, Healthcare Social Worker, Social Worker

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering, Pharmacy Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers, Health Technician, Veterinary Technician, Cardiovascular Technician

Developers - Software Developer, Applications Developer, Web Developer, Database Architect, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Sales - Account Manager, Account Specialist, Client Advisor, Retail Sales, Real Estate Agent, Insurance Agent, Sales Representative, Account Representative, Service Representative, Wholesale, Manufacturing, Technical & Scientific Product Representative, Product Demonstrators Promoters, Customer Service Representative, Inside Sales Associate, Account Executive, Sales Trainee, Financial Sales Assistant, Sales Representative, B2B Sales Coordinator, Sales Manager, Regional Sales Director, National Sales Coordinator, Market Development Manager, most other sales related

Customer Service - Customer Service, Customer Service Associate, Technical Support Specialist, Help Desk Coordinator, Call Center Customer Support, Customer Service Agent, Bilingual Customer Service Rep, Customer Relations, Customer Service Officer, Customer Service Manager

Marketing - Public Relations Specialist, Fundraising Specialist, Meeting, Convention, and Event Planner, Editor, Technical Writer, Market Research Analyst, Marketing Specialist, Content Manager, Brand Manager, Social Media Manager, SEO Specialist, Marketing Coordinator, Marketing Assistant, Digital Content Specialist, Marketing Specialist, Digital Marketing Coordinator, E-commerce Manager, Advertising Director, Copywriter, Media Buyer/Planner, Marketing Content Assistant

Public relations

Media Relations Assistant, Communications Specialist, Public information Specialist, Public Affairs Coordinator, Publicist, Public Relations Manager, Communications Coordinator, Media Relations Manager

Managers - Engineering Manager, Medical and Health Services Manager, Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager, General and Operations Managers, Database Administrator, Quality Control Systems Manager, Natural Sciences Manager, Industrial Production Manager, Residential Advisor, Chief Executive, Storage and Distribution Manager, Compliance Manager, Purchasing Manager, Regulatory Affairs Manager, Product Manager, Team Lead, Manager, Assistant Manager, Administrator

Purchasing and operations

Purchasing Agent, Purchasing Associate, Procurement Clerk, Logistics Team Leader, Purchasing Manager, Materials Manager, Procurement Director, Production Planner, Sourcing Officer, Logistics Supervisor, Supply Chain Supervisor

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor, Team Leader, Supervisor

Accounting & Finance - Accountant, Treasurer, Controller, Tax Examiner, Tax Collector, Revenue Agent, Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Auditor, Chief Executive, Personal Financial Advisor, Data Entry Keyer, Payroll and Timekeeping Clerk, Auditor Bookkeeper, Accounts Payable Clerk, Accounts Receivable Clerk, Benefits Administrator, Junior Tax Associate Auditor, Payroll manager

Analysts - Management Analysts, Financial Analysts, Quality Control Analysts, Budget Analyst

Logistics - Logistician, Logistics Analyst, Production Planning, Expediting Clerk, Purchasing Agent

Engineers* & Designers - Manufacturing Engineer, Industrial Engineer, Mechanical Engineer, Electrical Engineer, Validation Engineer, Software Engineer, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer, Industrial Designer, Mechanical Designer, Electrical Designer, Graphic Designers

Scientists - Biologist, Medical Scientist, Chemist, Computer & Information Research, Statistician, Biostatistician

New Career for -

Food & Beverage - Food Preparation Workers, Bakers, Dining Room & Cafeteria Attendants, Bartenders, Fast Food Workers, Waiters, Waitresses, Baristas, Cooks, Cashiers, Chefs, Dishwashers, Hosts & Hostesses

Home & Personal Care - Childcare Workers, Nannies, Personal Care Aides, Home Health Aides, Maids & Housekeeping, Janitors, Coaches, Nonfarm Animal Caretakers, Bank Tellers

Transportation - Taxi Drivers, Chauffeurs, Truck Drivers, Driver/Sales Workers, Delivery Services Drivers

General Laborers - Heating & Air Conditioning (HVAC) Mechanics & Installers, Construction Laborers, Automotive Specialty Technicians, Security Guards, Maintenance and Repair Workers, Recreation Workers

Stock, Shipping & Receiving - Stock Clerks, Sales Floor, Merchandise Displayers, Window Trimmers, Stockroom Clerk, Warehouse Clerk, Storage Yard Worker, Shipping, Receiving, and Traffic Clerks, Order Fillers, Wholesale & Retail Sales, Packers & Packagers, Laborers & Freight, Stock, & Material Movers, Retail Loss Prevention Specialists

Human Resources (HR) Technologies

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Paralegal and Legal Assistant, Administrative Coordinator, Administrative Manager, Executive Assistant, Office Manager, Support Assistant, Administrative Specialist, Program Coordinator, Client Relations Manager, Program Administrator, Administrative Officer, Administrative Director, Legal Assistant, Legal Aide, Legal Secretary

Medical & Mental Health - Biological Sciences Administration, Medical Records & Health Information Administration, Health Technology Administration, Veterinary Technology Administration, Mental Health Counselor Administration, Radiologic Technology Administration, Cardiovascular Technology Administration, Physicians Office Administration, Marriage and Family Therapist Office Administration, Office Administration, Occupational Health & Safety Specialists, Patient Representative, Healthcare Social Worker, Social Worker

Public relations

Media Relations Assistant, Communications Specialist, Public information Specialist, Public Affairs Coordinator, Publicist, Public Relations Manager, Communications Coordinator, Media Relations Manager

Managers Medical and Health Services Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Community Association Managers, Human Resources Manager, Operations Managers, Compliance Manager, Regulatory Affairs Manager, Administrator

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor, Team Leader, Supervisor

Accounting & Finance - Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Chief Executive, , Benefits Administrator, Payroll manager

New Career for – Anyone interested in working with people.

Business Process Improvement Technologies

Managers - Engineering Manager, Medical and Health Services Manager, Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager, General and Operations Managers, Database Administrator, Quality Control Systems Manager, Natural Sciences Manager, Industrial Production Manager, Residential Advisor, Chief Executive, Storage and Distribution Manager, Compliance Manager, Purchasing Manager, Regulatory Affairs Manager, Associate Project Manager, Technical Project Manager, Engineering Project Manager, Program Manager, Product Manager, Scrum Master, Implementation Manager, Systems Manager, Project Management Specialist, PMO Manager, Construction Project Manager, Business Project Manager, Program Coordinator, Program Administrator, Product Manager, Engineering, Other Leadership Roles

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor

Engineers* - Mechanical Engineer, Civil Engineer, Architectural Engineer, Project Engineer, Piping Engineer, Cabling Engineer, Sheetmetal Engineer, Industrial Engineer, Commercial Building Engineer, Structural Engineer, Aerospace Engineer, Aviation Engineer, Manufacturing Engineer, Validation Engineer, Software Engineer, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer, in order to learn formal project & process management skills

Designers - Mechanical Designer, Electrical Designer, Graphic Designers, Civil Designer, Project Designer, Piping Designer, Cabling Designer, Sheetmetal Designer, Industrial Designer, Commercial Building Designer, Structural Designer, Aerospace Designer, Aviation Designer.

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Paralegal and Legal Assistant, Office Clerk, Receptionist and Information Clerk, Hotel, Motel, and Resort Desk Clerk, Librarian

Medical & Mental Health - Registered Nurse, Critical Care Nurse, Nursing Assistant, Nurse Practitioner, Vocational Nurse, Clinical Research Coordinator, Medical Assistant, Dental Administrative Assistant, Medical and Clinical Laboratory Administrator, Biological Sciences Administration, Medical Records & Health Information Administration, Health Technology Administration, Veterinary Technology Administration, Mental Health Counselor Administration, Internists (General), Radiologic Technology Administration, Cardiovascular Technology Administration, Physicians Office Administration, Marriage and Family Therapist Office Administration, Dietitians & Nutritionists Office Administration, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainer, Aerobics Instructor, Health Technologists and Technician, Patient Representative, Physical Therapist, Healthcare Social Worker, Social Worker

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Pharmacy Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers, Health Technician, Veterinary Technician, Cardiovascular Technician

Sales - Account Manager, Retail Sales, Real Estate Agent, Insurance Agent, Sales Representative, Service Representative, Wholesale, Manufacturing, Technical & Scientific Product Representative, Product Demonstrators Promoters, Customer Service Representative, most other sales related

Marketing - Public Relations Specialist, Fundraising Specialist, Meeting, Convention, and Event Planner, Editor, Technical Writer, Market Research Analyst, Marketing Specialist

Accounting & Finance - Accountant, Treasurer, Controller, Tax Examiner, Tax Collector, Revenue Agent, Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Auditor, Chief Executive, Personal Financial Advisor, Data Entry Keyer, Payroll and Timekeeping Clerk, Auditor

Developers - Software Developer, Applications Developer, Web Developer, Database Architect, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Analysts - Management Analyst, Financial Analyst, Quality Control Analyst

Logistics - Logistician, Logistics Analyst, Production Planning, Expediting Clerk, Purchasing Agent

Scientists - Biologist, Medical Scientist, Chemist, Computer & Information Research, Statistician, Biostatistician

***New Career for** – Anyone interested in improving how things are done.*

Entrepreneurship and Business 101

Managers - Engineering Manager, Medical and Health Services Manager, Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager, General and Operations Managers, Database Administrator, Quality Control Systems Manager, Natural Sciences Manager, Industrial Production Manager, Residential Advisor, Chief Executive, Storage and Distribution Manager, Compliance Manager, Purchasing Manager, Regulatory Affairs Manager, Associate Project Manager, Technical Project Manager, Engineering Project Manager, Program Manager, Product Manager, Scrum Master, Implementation Manager, Systems Manager, Project Management Specialist, PMO Manager, Construction Project Manager, Business Project Manager, Program Coordinator, Program Administrator, Product Manager, Engineering, Other Leadership Roles

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor

Sales - Account Manager, Retail Sales, Real Estate Agent, Insurance Agent, Sales Representative, Service Representative, Wholesale, Manufacturing, Technical & Scientific Product Representative, Product Demonstrators Promoters, Customer Service Representative, most other sales related

Marketing - Public Relations Specialist, Fundraising Specialist, Meeting, Convention, and Event Planner, Editor, Technical Writer, Market Research Analyst, Marketing Specialist

Accounting & Finance - Accountant, Treasurer, Controller, Tax Examiner, Tax Collector, Revenue Agent, Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Auditor, Chief Executive, Personal Financial Advisor, Data Entry Keyer, Payroll and Timekeeping Clerk, Auditor

Analysts - Management Analyst, Financial Analyst, Quality Control Analyst

New Career for – *Anyone interested in working for themselves or that wants to show a potential employer that they understand why a business exists.*

Open Career Studies**

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Paralegal and Legal Assistant, Office Clerk, Receptionist and Information Clerk, Hotel, Motel, and Resort Desk Clerk, Librarian, Administrative Coordinator, Administrative Manager, Executive Assistant, Office Manager, Support Assistant, File Clerk, Bill Collector, Mail Clerk, Receptionist, Staff Assistant, Administrative Specialist, Program Coordinator, Client Relations Manager, Program Administrator, Administrative Officer, Administrative Director, Data Entry Clerk, Legal Assistant, Legal Aide, Legal Secretary

Medical & Mental Health - Registered Nurse, Critical Care Nurse, Nursing Assistant, Nurse Practitioner, Vocational Nurse, Clinical Research Coordinator, Medical Assistant, Dental Administrative Assistant, Medical and Clinical Laboratory Administrator, Biological Sciences Administration, Medical Records & Health Information Administration, Health Technology Administration, Veterinary Technology Administration, Mental Health Counselor Administration, Internists (General), Radiologic Technology Administration, Cardiovascular Technology Administration, Physicians Office Administration, Marriage and Family Therapist Office Administration, Dietitians & Nutritionists Office Administration, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainer, Aerobics Instructor, Health Technologists and Technician, Patient Representative, Physical Therapist, Healthcare Social Worker, Social Worker

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering, Pharmacy Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers, Health Technician, Veterinary Technician, Cardiovascular Technician

Developers - Software Developer, Applications Developer, Web Developer, Database Architect, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Sales - Account Manager, Account Specialist, Client Advisor, Retail Sales, Real Estate Agent, Insurance Agent, Sales Representative, Account Representative, Service Representative, Wholesale, Manufacturing, Technical & Scientific Product Representative, Product Demonstrators Promoters, Customer Service Representative, Inside Sales Associate, Account Executive, Sales Trainee, Financial Sales Assistant, Sales Representative, B2B Sales Coordinator, Sales Manager, Regional Sales Director, National Sales Coordinator, Market Development Manager, most other sales related

Customer Service - Customer Service, Customer Service Associate, Technical Support Specialist, Help Desk Coordinator, Call Center Customer Support, Customer Service Agent, Bilingual Customer Service Rep, Customer Relations, Customer Service Officer, Customer Service Manager

Marketing - Public Relations Specialist, Fundraising Specialist, Meeting, Convention, and Event Planner, Editor, Technical Writer, Market Research Analyst, Marketing Specialist, Content Manager, Brand Manager, Social Media Manager, SEO Specialist, Marketing Coordinator, Marketing Assistant, Digital Content Specialist, Marketing Specialist, Digital Marketing Coordinator, E-commerce Manager, Advertising Director, Copywriter, Media Buyer/Planner, Marketing Content Assistant

Public relations

Media Relations Assistant, Communications Specialist, Public information Specialist, Public Affairs Coordinator, Publicist, Public Relations Manager, Communications Coordinator, Media Relations Manager

Managers - Engineering Manager, Medical and Health Services Manager, Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager, General and Operations Managers, Database Administrator, Quality Control Systems Manager, Natural Sciences Manager, Industrial Production Manager, Residential Advisor, Chief Executive, Storage and Distribution Manager, Compliance Manager, Purchasing Manager, Regulatory Affairs Manager, Product Manager, Team Lead, Manager, Assistant Manager, Administrator

Purchasing and operations

Purchasing Agent, Purchasing Associate, Procurement Clerk, Logistics Team Leader, Purchasing Manager, Materials Manager, Procurement Director, Production Planner, Sourcing Officer, Logistics Supervisor, Supply Chain Supervisor

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor, Team Leader, Supervisor

Accounting & Finance - Accountant, Treasurer, Controller, Tax Examiner, Tax Collector, Revenue Agent, Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Auditor, Chief Executive, Personal Financial Advisor, Data Entry Keyer, Payroll and Timekeeping Clerk, Auditor Bookkeeper, Accounts Payable Clerk, Accounts Receivable Clerk, Benefits Administrator, Junior Tax Associate Auditor, Payroll manager

Analysts - Management Analysts, Financial Analysts, Quality Control Analysts, Budget Analyst

Logistics - Logistician, Logistics Analyst, Production Planning, Expediting Clerk, Purchasing Agent

Engineers* & Designers - Manufacturing Engineer, Industrial Engineer, Mechanical Engineer, Electrical Engineer, Validation Engineer, Software Engineer, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer, Industrial Designer, Mechanical Designer, Electrical Designer, Graphic Designers

Scientists - Biologist, Medical Scientist, Chemist, Computer & Information Research, Statistician, Biostatistician

Project Management (PMP/CAPM/PM)

Managers - Engineering Manager, Medical and Health Services Manager, Marketing Manager, Sales Manager, Office Manager, Administrative Services Manager, Financial Managers, Public Relations Manager, Fundraising Manager, Property Manager, Real Estate Manager, Community Association Managers, Human Resources Manager, Food Service Manager, General and Operations Managers, Database Administrator, Quality Control Systems Manager, Natural Sciences Manager, Industrial Production Manager, Residential Advisor, Chief Executive, Storage and Distribution Manager, Compliance Manager, Purchasing Manager, Regulatory Affairs Manager, Associate Project Manager, Technical Project Manager, Engineering Project Manager, Program Manager, Product Manager, Scrum Master, Implementation Manager, Systems Manager, Project Management Specialist, PMO Manager, Construction Project Manager, Business Project Manager, Program Coordinator, Program Administrator, Product Manager, Engineering, Other Leadership Roles

Supervisors - Office and Administrative Support Workers Supervisor, Retail & Non-Retail Sales Workers Supervisor, Production and Operating Workers Supervisor

Engineers* - Mechanical Engineer, Civil Engineer, Architectural Engineer, Project Engineer, Piping Engineer, Cabling Engineer, Sheetmetal Engineer, Industrial Engineer, Commercial Building Engineer, Structural Engineer, Aerospace Engineer, Aviation Engineer, Manufacturing Engineer, Validation Engineer, Software Engineer, Software Quality Assurance Engineer, Software Testing Engineer, Quality Control Engineer, in order to learn formal project & process management skills

Designers - Mechanical Designer, Electrical Designer, Graphic Designers, Civil Designer, Project Designer, Piping Designer, Cabling Designer, Sheetmetal Designer, Industrial Designer, Commercial Building Designer, Structural Designer, Aerospace Designer, Aviation Designer.

Office Administration - Administrative Assistant, Secretary, Medical Secretary, Executive Secretary, Executive Administrative Assistant, Paralegal and Legal Assistant, Office Clerk, Receptionist and Information Clerk, Hotel, Motel, and Resort Desk Clerk, Librarian

Medical & Mental Health - Registered Nurse, Critical Care Nurse, Nursing Assistant, Nurse Practitioner, Vocational Nurse, Clinical Research Coordinator, Medical Assistant, Dental Administrative Assistant, Medical and Clinical Laboratory Administrator, Biological Sciences Administration, Medical Records & Health Information Administration, Health Technology Administration, Veterinary Technology Administration, Mental Health Counselor Administration, Internists (General), Radiologic Technology Administration, Cardiovascular Technology Administration, Physicians Office Administration, Marriage and Family Therapist Office Administration, Dietitians & Nutritionists Office Administration, Psychiatrists, Occupational Health & Safety Specialists, Fitness Trainer, Aerobics Instructor, Health Technologists and Technician, Patient Representative, Physical Therapist, Healthcare Social Worker, Social Worker

Technicians - Manufacturing Technician, Production Technician, Industrial Technician, any Engineering Technician, Pharmacy Technician, Biological Technician, Chemical Technician, Inspection Technician, Testing Technician, Software Quality Assurance Testers, Health Technician, Veterinary Technician, Cardiovascular Technician

Sales - Account Manager, Retail Sales, Real Estate Agent, Insurance Agent, Sales Representative, Service Representative, Wholesale, Manufacturing, Technical & Scientific Product Representative, Product Demonstrators Promoters, Customer Service Representative, most other sales related

Marketing - Public Relations Specialist, Fundraising Specialist, Meeting, Convention, and Event Planner, Editor, Technical Writer, Market Research Analyst, Marketing Specialist

Accounting & Finance - Accountant, Treasurer, Controller, Tax Examiner, Tax Collector, Revenue Agent, Compensation Specialist, Benefits Specialist, Job Analysis Specialist, Auditor, Chief Executive, Personal Financial Advisor, Data Entry Keyer, Payroll and Timekeeping Clerk, Auditor

Developers - Software Developer, Applications Developer, Web Developer, Database Architect, PLC Programmer, Computer Programmer, Internet of Things (IoT) Developer

Analysts - Management Analyst, Financial Analyst, Quality Control Analyst

Logistics - Logistician, Logistics Analyst, Production Planning, Expediting Clerk, Purchasing Agent

Scientists - Biologist, Medical Scientist, Chemist, Computer & Information Research, Statistician, Biostatistician

Science & Technology Exploration Program (STEP)

This program is designed to allow the student to explore various job positions of their choice without committing to a specific program discipline. It is not to prepare a student for specific job however during the program a student may adapt their curriculum to focus on a particular discipline and ultimately emerge with industry recognized credentials that could enable them to get an entry level position based on courses taken.

CONTENT & DELIVERY METHOD

Content

Lectures & Labs – Lectures & labs are interactive use of the actual application software. Courses may also use a combination of interactive live & simulated exercises. Labs usually follow an interactive lecture and are used to practice what was taught during the lecture and reinforce the techniques taught.

Material Duration is 170 Days - The maximum number of estimated course days' worth of material. Individual's pace determines the actual time.

Attendance Window is 360 Day Max - The maximum number of workdays a student may take to finish the assigned Certificate Program. See "Grading" for exceptions. Ve-I may grant additional extensions at its own discretion.

Delivery

Instructor Guided Learning (IGT) - A more flexible delivery method of receiving instruction in the form of pre-recorded lectures with a Certified Instructor present to lecture and answer questions as necessary

Advantages:

- A Certified Instructor is present for all courses!
- Instructor is available on-demand. There when you need them, out of your way when you don't!
- Instructional lectures and videos can be replayed at your convenience, you can learn at your own pace, easily review material, and learn through interactive, hands-on exercises.
- Students can access IGT from outside of the training facility
- In-center hours of attendance are flexible between 8:00AM to 5:00PM weekdays (excluding holidays).
 - Evening hours available for select curriculums (ask for details)
- The same material that is used in class is available on-line 24 hours a day with hyperlinks and printable content. Allows for optional after hours and weekend study and review.
- Instructional lectures and videos can be replayed at your convenience, work at your own pace, easily review material, includes live interactive exercises
- Option to work remotely and allow instructors to share, view or control their workstation session to help with their exercises, just like they were sitting next to them.
- There is no penalty to take more time to "really" learn the materials.
- No minimum requirements for attendees, easy makeup days
- Training can be customized at the individual level!
- Everyone can work at their own pace!

New software versions, upgrades and rebranding may change course names and update content therefore all course content and material is subject to change. Students will benefit from this by receiving the latest published content at date of enrollment.

KEY FACULTY

Ve-I has always provided superior educational services to our customer base for over 25 years. We have consistently been a top Certified Training Center in North America since we began offering training services. The quality of our faculty is a key reason for our success. Below is a list of some of our key faculty.



Mark Harwood

Founder, Principle, President, Sr. Mechanical Engineer & Career Counselor

Bachelor of Science in Mechanical Engineering – University of Massachusetts, Lowell (formerly University of Lowell)

Seasoned IT Professional, Programmer & Business Owner

Greg Hamel

Vice President of Student Services, PTC Certified Sr. Instructor, Sr. Mechanical Engineer & Career Counselor

Bachelor of Science in Interdisciplinary Studies:

(Mechanical Engineering, Mathematics, Physics, Computer Science) – Ellis University

Boothroyd Dewhurst Design for Manufacturing & Assembly (DFMA)

Interact to Improve (ItOI) Root Cause Analysis Team Facilitator

Certified SolidWorks Associate.

Rich Nihan

Director of Student Services & Outplacement

Bachelor of Science in Mechanical Engineering Technology - Northeastern University – Boston, MA

Project Management Certificate – Worcester Polytechnic Institute – Worcester, MA

Graduate Certificate in Leadership in Commercialization of Science and Technology

Other Professional Training: Polymeric Science, DFMA, PFMEA, DOE, Influencing Skills, Problem Solving Communications Skills, Risk Analysis, SOLIDWORKS, AutoCAD, Pro/Engineer, Creo, Lean Six Sigma Manufacturing, Quality Management

Cameron Harper

PTC Certified Instructor, Certified SolidWorks Professional & Sr. Mechanical Engineer

Bachelor of Science in Mechanical Engineering – University of Florida, Gainesville, Florida

Associate of Arts Degree ▪ Lake-Sumter Community College, Leesburg, Florida

Josh Widener

Instructor, Information Technology Support Specialist, CompTIA Certified

Tristan LeSaux

Instructor, Information Technology Support Specialist,
CompTIA Certified

Nicholas Smith

Instructor, Information Technology Support Specialist,
Database Specialist

Scott Wickett

Sr. Instructor, Data Scientist, BA Harvard University

Kirsten Duff

Sr. Instructor, Data Scientist

Anne Craig

Sr. Instructor, Data Scientist, Entrepreneur

Amanda Hange

Sr. Instructor Project Manager, Entrepreneur

Kristin Waraska

Sr. Instructor Project Manager, Entrepreneur

Jacob Cammett

Instructor, BS in Graphic Design

Kalli Seabrooke

Instructor, BS in Graphic Design & Game Design

Kristina Nihan

Career Counselor & Instructor, BS in Marketing &
Communications

Becky Raskiewicz

Office Manager, Administrative Assistant

Tara Brackett

Office Manager, Administrative Assistant

Janelle Levesque

Office Manager, Administrative Assistant

Anna Gricci

Career Counselor, Recruiter and B2B Account Manager

Bojana Catovic

Career Counselor, Recruiter and B2B Account Manager

Alyvia Petrozza

Career Counselor, Recruiter and B2B Account Manager

Samantha Zacks

Career Counselor, Recruiter and B2B Account Manager

Bill Stickney

Instructor, BSME, FEA/CFD Specialist

Austin Baird

PTC Certified Windchill Implementers

Vivek Madangeri

PTC Certified Windchill Implementers

+ more....

OWNERSHIP

Visible Edge Computing, Inc. is proud to be a privately-owned institution. We are owned and operated by degreed engineers with backgrounds in Mechanical Engineering, Systems Engineering, Software Engineering, Manufacturing Engineering, Program Management, Information Technology, and over 75 years combined industry experience.

Mark Harwood

Founder & President



Bachelor of Science in Mechanical Engineering – University of Lowell (UMASS), Lowell, MA

Mark was accepted at the University of Lowell (now UMASS Lowell) in 1982 after completing 4 years of college preparatory studies at Bishop Guertin High School in Nashua, NH. While in school studying Mechanical Engineering, Mark worked several jobs that augmented his engineering lessons with pertinent real-world experiences including hi-tech electro-mechanical manufacturing production and working in an aluminum foundry performing duties that ranged from creating sand cores, heat treating parts, finishing & machining casting operations.

Mark founded Visible Edge in 1989 building custom computers for local companies as a side operation while working at AGFA Compugraphics as an engineer. After implementing manufacturing's first CAD system by day and honing his IT/hardware skills in the evenings, Mark then accepted a position with Badger Engineers (Raytheon Engineers and Constructors – Shaw Power).

At Badger, Mark earned the responsibility of building a seamless CAD environment from 13 existing CAD systems to over 180 CAD systems that supported a 650 million-dollar petro-chemical plant project for Mobil Oil. After hours Mark trained Badger Piping and Structural Engineers on the use of Bentley Systems Microstation 3D CAD software.

In 1993, Mark was presented with an opportunity to be a Systems Manager at BTU International, a leading supplier of thermal processing systems to the electronics industry. He reported to the CFO and worked closely with the President to understand the company's business goals. One of Mark's many charters was to choose an industry leading CAD system that would not only satisfy the needs of BTU then, but re-define the way they would do business in the future with their customers and suppliers. The outcome of this initiative resulted in Mark implementing one of the first and largest Pro/ENGINEER CAD installations running on the new Windows NT Operating System in North America for PTC (Parametric Technology Corporation). Mark fully supported all IT and MCAD efforts. This is where Mark realized the overwhelming strengths of Pro/ENGINEER (AKA Creo) over other CAD systems, and it is where the relationship began between PTC and Visible Edge. Mark built and supported a network of over 150 Windows NT users & over 24 Pro/ENGINEER users.

With his strong understanding of the semiconductor market and successful track record at BTU, Mark was drafted by

another company, Kokusai Semiconductor, a division of Hitachi, to duplicate the efforts he put forth at BTU. For the next two years, before engaging Visible Edge as a full-time Corporation, Mark built, implemented, and supported all PC's, UNIX & NT Workstations and Servers at Kokusai. As their IT Manager, he also introduced and supported Pro/ENGINEER into the company.

Today, Mark & company have grown Visible Edge Computing, Inc. into a full-service engineering & design solutions provider with over 650 New England based companies on its customer list. This active customer base is what actively guides the training programs we offer to our students. This guidance keeps us focused on our target of employing you, our students.

Greg Hamel

Owner & VP of Education Services

Bachelor of Science in Interdisciplinary Studies:

(Mechanical Engineering, Mathematics, Physics, Computer Science) – Ellis University

Boothroyd Dewhurst Design for Manufacturing & Assembly (DFMA)

Interact to Improve (Itol) Root Cause Analysis Team Facilitator

PTC Certified Instructor, CAD, PDM/PLM, Mathcad

Certified SolidWorks Associate (CSWA)



Greg was accepted at the University of Lowell (now UMASS Lowell) in 1980. Greg completed his freshman year with a 3.5 GPA but left after a summer job assembling and testing desktop printers at Integral Data Systems (later becoming Dataproducts), in Milford, NH became a career starting job as a technician in the manufacturing engineering department. He was responsible for process design, process instruction, troubleshooting and testing, material review and disposition, and statistical process quality control for several multi-station progressive assembly lines. During his five years at IDS/Dataproducts, Greg took advantage of their tuition reimbursement program and resumed his studies at UMass Lowell in parallel to his career. He quickly rose to the position of Advanced Manufacturing Engineer working concurrent design with the new product design and development engineering group.

In 1987, Greg left this position to become Manufacturing Engineering Manager of a small team of Manufacturing Engineers at Daymarc (later becoming Delta Design) – designers, developers, and manufacturers of robotic IC handling test equipment. There he developed and instituted innovative, progressive assembly, test, and statistical process quality control methods and procedures. Increasing overall production efficiency 30-fold.

In the midst of this, Greg transferred his credits at UML to Ellis University to create a Systems Engineering degree to facilitate his rise to Program Manager and eventually dual role; adding division Director of Engineering to that responsibility by 2002.

Prior to joining Visible Edge, Greg was self-taught in SolidWorks 2010 for his own business endeavors, earning his CSWA in 2010. In his time at Visible Edge, Greg has earned 30+ course certifications for MCAD, Data Management, and Mathcad Courses.

In addition to instructing, Greg also participates regularly on customer design projects as lead Sr. Mechanical Engineer and Project Manager. Greg's extensive experience in the trenches has been an extremely valuable skill set when aiding customers with their CAD implementations.

FACILITY

As part of the former Nashua Manufacturing Company (circa 1823 – 1951), a proud landmark in Nashua's history, the Millyard Technology Park stands as a symbol of quality and perseverance. Ve-I® is proud to be part of that history by continuing to provide the highest quality education and services to the engineering and design community. Our facility uses state-of-the-art computer hardware in an atmosphere with history and character.



Building Features

Students can recharge during breaks in the on-site cafeteria or by taking a walk outside along the Nashua River. Internally a \$15M renovation and constant improvements provide one of the best learning environments available anywhere. The decor is polished hardwood, refurbished bricks, and exposed beams. Everything conveys an atmosphere that is authentically New England... rich in enterprise and craftsmanship.



Cafeteria

A full-service cafe is available from 7:00 AM to 1:30 PM. The Café offers a full range of choices from cold to hot meals. Guests have access to a large screen TV, pool tables, and other leisure activities to enjoy during breaks.



Grounds



Our campus is located on beautiful grounds, with picnic tables along the river, a boat ramp, easy access to miles of Mines Falls jogging trails and to downtown Nashua. The building has scenic views overlooking the Nashua River that is frequently visited by wildlife including deer, fox, beavers, red tailed hawks and bald eagles.



Location

Our location is easily accessible from the highway and has acres of free parking. Ve-I is only 20 minutes from Manchester-Boston Regional Airport and about an hour from Logan airport. Massachusetts residents will enjoy the easy commute in the opposite direction of the morning rush. See next page for directions and map.

DIRECTIONS

GPS – 38 Technology Way, Nashua, NH 03060

Users of older GPS units may want to key in 38 Pine St. Ext. for the former street address

Route 3 North into Nashua:

1. Take Exit 6, bear right at end of ramp, go through 2 sets of lights then bear right onto Broad Street Parkway.
2. At the end of the Parkway take right at stop light and immediate right into the Technology Park.

Route 3 South into Nashua:

1. Take Exit 6, bear left at end of ramp, go through 3 sets of lights then bear right onto Broad Street Parkway.
2. At the end of the Parkway take right at stop light and immediate right into the Technology Park.

Once Off Parkway

1. Proceed to the main entrance in the back of the building.
2. Visible Edge is on the 3rd Floor West (right) Wing. Training Center rooms are halfway down the hall on the left. The Business Office is across the hall on the right.

To Visible Edge™ from NH Route 111 West:

1. From Rt. 111 in Hudson cross the bridge (over Merrimack River) into Nashua
2. Bear right at lights, at the end of the bridge onto Canal St. to Main St.
3. Left onto Main Street.
4. Right onto Water St.
5. Right onto Factory St.
6. Left onto Chestnut St.
7. Right onto Central St.
8. At next light, take right onto Pine St
9. At stop light, take left and quick right onto Technology Way (do NOT get onto Broad Street Parkway).



ADMISSIONS PROCEDURES

Ve-I has continuous Open Enrollment. Ve-I does not follow traditional quarterly, semester or term schedules which means students can start any time after the admission procedures are completed. Admission to Ve-I is open to all applicants who are qualified according to the admissions standards of respective programs, and applicants will not be barred from admission because of race, age, sex, handicap, religion, or national origin. The facilities and services of Ve-I will be available to all enrolled students (except when restricted by judicial action).

Procedures

An application for admission may be obtained from the Admissions Office at the Ve-I website. The application should be mailed to: Admissions Office, Ve-I, 38 Technology Way, The Millyard Technology Park, Nashua, NH 03060 or e-mailed to admissions@visible-edge.com.

Once applications are received, the applicant will be informed of any additional information or procedures necessary for acceptance to Ve-I. These procedures may include a personal interview, letters of reference, a resume, and pre-admission assessment. It is the responsibility of the applicant to ensure that all documents requested by Ve-I are received. All documents submitted to Ve-I become the property of Ve-I and will not be returned or sent to other organizations.

General Admissions Requirements

1. High school diploma or possess a General Equivalency Diploma (GED) or its satisfactory equivalent. Applicants will need proof of completion of English and Math.
2. File an official Ve-I application form (no application fee required), and complete a personal interview with a school representative, if required. If reapplication is necessary either for a new program or for a new academic year, the applicant must submit a new application (no application fee required).
3. When requested, present recommendations from a high school and/or employers. The recommendations should reflect character, personality, special abilities, and general qualifications for study.
4. Submit official transcripts of all previous college work. Grades of courses transferred are not included in the GPA (Grade Point Average) or CGPA, if applicable. Credits earned at another institution may be added to the total credits accumulated for graduation, if applicable. A written record of previous education and training of the Veteran or eligible person which clearly indicates that appropriate credit has been given by the school for previous education and training, with the training period shortened proportionately, will be entered in their school records.
5. Apprise Ve-I of eligibility for Veterans Administration and other sources of financial assistance.

Enrollment Limitations

Current enrollment limitations are 120 students per program with student-teacher ratio not to exceed 120:1. Each program is supported by multiple instructors.

NOTICE OF NONDISCRIMINATION

Ve-I does not discriminate in the administration of its admissions and educational programs, activities, or employment practices on the basis of race, color, religion, national origin, age, sex, handicap, veteran status, sexual orientation, or marital status. This statement is a reflection of the mission of the Post-Secondary Education Commission of New Hampshire and Ve-I and refers to, but is not limited to, the provisions of the following laws: Title VI and VII of the Civil Rights Act of 1964, The Age Discrimination Act of 1967, Title IX of the Education Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, The Americans with Disabilities Act of 1990, Section 402 of the Vietnam Era Readjustment Assistance Act of 1974, and the NH Law Against Discrimination (RSA 354-A). Inquiries regarding discrimination may be directed to Mark Harwood, Ve-I (603) 595-1422, acting Director of Human Resources for Visible Edge Computing, Inc. **Inquiries may also be directed to the Office for Civil Rights, Boston Office, US Department of Education, 33 Arch Street, Suite 900, Boston, MA 02110 Tel: (617) 289-0222, FAX: (617) 289-0150, TDD (617) 223-9695, e-mail OCRBoston@ed.gov**; the Equal Employment Commission, John F. Kennedy Federal Building, Government Center, 4th Floor, Room 475, Boston, MA 02203, (617) 565-3200, TTY (617) 565-3204. To be automatically connected with the nearest EEOC field office, call 1-800-669-6820, TTY 1-800-669-6820; and/or the New Hampshire Commission for Human Rights, 2 Chennell Drive, Concord, NH 03301, 1-(603) 271-2767. You may also reach the NH Department of Education at 1-(603)-271-8508.

EXPENSES

Tuition

No prepayment is required from any student receiving funding through a government grant including, but not limited to, GI Bill or any Veterans Administration funding source, WIOA, Trade Adjustment Act or any other State or Federally funded grant program. Grant recipients (students) will not be billed by Visible Edge Institute. The applicable State or Federal entity will be billed directly.

For private pay students, tuition is due prior to the start of the program. Failure to make payment in full or arrangements for payment will result in the cancellation of the student's registration. If tuition is paid in installments, it must be paid in full 10 days prior to the beginning of final exams/projects or two weeks prior to the end of the program, whichever is applicable.

Program pricing is as follows

- Base Certificate Program price is \$4,000* (~200 hours including labs and projects)
- Electives can be added or subtracted at \$20.⁰⁰ per course hour with no additional cost for lab or project time

**Scholarships and/or Federal & State Grants may be available to offset Tuition costs. Ve-I is WIOA/Section 30/Trade Act Eligible!*

All Program prices include the following (this list includes all items required to successfully complete all programs):

- Tuition
- eLearning subscription
- Laboratory fees
- Initial testing fees (retakes at cost)
- Student activities (such as employer site visits)
- Use of internal computer workstations
- Service charges and any required deposits

In addition, Ve-I may make other items available for an additional fee, similar to other school stores, such as:

- Additional reference and workbooks
- Supplies such as storage media, 3D printer materials
- Additional software products
- Tools such as measuring devices
- Rentals of computer equipment for home use

Monthly Payment Plan

In an effort to assist students with tuition charges, Ve-I offers a monthly payment plan. The plan allows students to fulfill their financial obligation to Ve-I by automatic electronic processing of installment payments. More information can be obtained from the Business Office.

Delinquent Account Collection Process

The following collection clause will be listed on all forms requiring the student's signature:

"I understand by registering for courses and/or programs at Ve-I, I am financially obligated for ALL costs related to the registered course(s) and/or programs. Upon a drop or withdrawal, I understand that I will be responsible for all charges as noted in the student catalog and handbook. I further understand that if I do not make payment in full, my account may be reported to the credit bureau and/or turned over to an outside collection agency. I also understand that I will be responsible for the costs of the outside collection agency, any legal fees, and any bounced check fees under RSA 6:11, which will add significant costs to my account balance."

Refund/Grievance Policy

Once a student begins school and withdraws for any reason whatsoever, the Visible Edge Institute refund schedule will apply, less the registration and administrative fees.

Cancellation of Enrollment Agreement

Ve-I's goal is 100% student satisfaction. If a student is not satisfied with their training, they can ask for and receive a refund of up to 100% of the tuition paid at any time during their training, before any industry recognized or Ve-I specific Certification(s) has been granted. Once a Certification(s) has been granted, refunds will be prorated based on the number of program days elapsed vs. the total scheduled program days.

All refunds due will be made within thirty days of the student's effective withdrawal date or cancellation. The last date of actual attendance or the date the student notifies the business office of their intention to withdraw, whichever occurs last, is used in calculating any refund amount.

If a student completes the total hours of the program in less calendar time than that published, the contracted tuition shall be fully earned by Ve-I upon the date of completion, and the student will not be entitled to any refund due to earlier completion. Ve-I will refund 100% of any paid textbooks or equipment/supplies not issued. Software and subscriptions cannot be refunded. Ve-I reserves the right to postpone or change the date or time when any class is offered if the minimum percentage of enrolled students agree to the change. Students who do not want the change may be offered a full refund for the class affected.

In extenuating circumstances, the President (or designee) is authorized to offer alternative compensation in the form of tuition credit or waiver to students on a case-by-case basis. Tuition credit on a student account must be used within one calendar year from the date of authorization. In accordance with Federal regulations, refunds for an amount less than \$1.00 (\$.99 or less) will be forfeited.

Students receiving benefits from state and federal programs shall be subject to the applicable state and federal refund policies, rules and regulations.

VA Students

Pro Rata Refund (38 CFR 21.4254(c)(13), 21.455). We will refund the unused portion of prepaid tuition and fees on a pro rata basis. The exact proration will be determined on the ratio of the number of days of instruction completed by the student to the total number of instructional days in the course. Any amount in excess of \$10.00 for an enrollment fee or registration fee will also be prorated.

If you have issues that were not resolved by our Instructor and/or Director, you may contact the NH Department of Education, Division of Educator Support and Higher Education, Office of Career School Licensing, 101 Pleasant Street, Concord, NH 03301 or (603) 271-6443.

Repeat Courses

If applicable, only the most recent grade for a course that has been repeated will count towards a student's final grade. Therefore, grades from prior attempts will be excluded from the student's final grade. However, all attempts, including the most current, will be included in the calculation for the completion rate and maximum timeframe components.

Incompletes

All incompletes must be resolved within 30 days following the end of the "Program Window". If not, the student will receive an "F" for the missing work and be ineligible to receive the Certificate. After this period, the student may re-enroll in the program and pay a fee equivalent to the course days missed times the daily rate for the particular program.

Tuition Payment Guarantee

Where an employer, the VA, or other agency is guaranteeing both tuition and fees, such guarantee must be in writing and signed by an authorized representative of the company or agency.

ACADEMIC REQUIREMENTS AND POLICIES

Certificate

Certificate programs emphasize specific skills and outcomes required for employment or for career advancement. Students must possess a High School Diploma or equivalent at a minimum to enroll in a Certificate Program. Some programs require additional technical experience. Students earning a certificate must have obtained a passing grade in each required core course.

Progress & Attendance Policy

Class attendance is considered essential to the academic success of students. It is expected that students will attend a minimum number of hours for each program in which they are enrolled. The actual number of hours per week will be based on labs, exams and final projects for each program. Ve-I offers both In-Center Learning and Distance Learning options. Some programs may require minimum in-center attendance as defined below.

For VA students:

Satisfactory Progress

You must make satisfactory progress toward completion of the program in which you are enrolled to continue receiving veterans' benefits. Satisfactory progress is the ongoing demonstration that you are completing training at a rate that will allow you to graduate with the approved length of the program. Progress will be monitored by your instructors and will be verified by the school's VA Certifying Official.

The VA will only pay for standard hours in the approved program of study. In order for you to complete your training within the standard time, your progress must be measured at a level in keeping with school policy. If your progress is not satisfactory in any school measured portion of the program, you will be notified to such and placed on probation for 30 days, at which time your progress will again be evaluated. If satisfactory improvement is not made by the end of this probationary period, your benefits will be terminated. (They may, however, be able to continue your training in accordance with school policy.) Note: Once you have completed the standard hours in this program, your benefits will cease. This is true regardless of your remaining educational benefit entitlement. To use the remaining entitlement, you would have to enroll in a new program.

Attendance

Good attendance is critical to successful completion of the program. You must maintain at least a 90% attendance rate to continue receiving VA benefits. If you miss more than 10% of your time in a given period or term, you will be placed on probation for the following period/term. If you miss more than 10% during the probationary period, your VA educational benefits will be terminated.

You may be re-certified for VA educational benefits after consulting with the school's VA Certifying Official, once the cause for unsatisfactory progress has been removed, attendance becomes satisfactory, and it is determined that the program is suitable for your aptitude, interests, and abilities. Official school holidays or breaks are not considered days of absence, but tardiness or class-cuts may accumulate to constitute 10% in accordance with school policy.

Leaves of Absence

Students receiving VA educational benefits may take a school approved Leave of Absence, but this will interrupt VA educational benefits during the leave. The leave of absence will be reported to the VA as a termination. When you return from the leave, the school may again certify you for VA educational benefits, giving you credit for all hours completed prior to the leave.

Program Completion

Your VA educational benefits expire on the earliest of either the date you reach the total hours approved for your program, or on the date you complete or terminate your enrollment in the program. When you complete your program, please notify the school's VA Certifying Official as soon as possible so that the VA can be informed within 30 days.

In-Center Learning Options:

In general, our flexible training schedules allow for short periods of leave, absences, class cuts, tardiness, unscheduled breaks, early dismissals and interruptions for unsatisfactory attendance. Regardless of the reason for an interruption all work must be made up before the scheduled program end date, including labs, assessments, projects, and exams. Attendance will be tracked and enforced by an LMS system, system logins, sign-in sheets and/or instructor records. For classes delivered via traditional Instructor Led Training (ILT), attendance at the scheduled times will be mandatory, whether in-center or remote. While attendance may be excused, all class work required for ILT classes must be completed regardless of attendance. Makeup classes will be at the discretion of Ve-I.

Distance Learning Options:

Ve-I recognizes that the rapid advancement of communication technology has now enabled students to fulfill many course requirements remotely with online live interaction with our instructors. Ve-I supports using the most cost-effective means of delivering educational services provided the quality of the educational experience is not compromised, therefore all final projects and certification testing, at a minimum, must be performed in-center, at a Ve-I designated testing center, or via remote proctor using a live video feed, to be determined at the discretion of Ve-I.

The instructor of each program has discretion for any additional minimum attendance requirements for each individual student and will be based on how the student is progressing with the scheduled course material and the results of individual course assessments. In the case of a dispute, the minimum attendance requirements will default to full time in-center.

If there are existing circumstances that restrict a student's ability to attend class full time, they must be brought to the attention of Ve-I during the enrollment process or they may not be considered a satisfactory excuse for reduced or lack of attendance. Unsatisfactory attendance may result in the dismissal from the program or in a denial of an extension.

Please note, students entering our programs through Employers, Career Centers, Unemployment Offices, Training Grant Programs or other federally funded organizations may have different attendance requirements. The attendance requirements of said organizations will take final precedence.

If a student fails to complete the requirements during the program window, and an extension is denied, the student will receive a grade of "AF" and will not receive the associated certificate, diploma or other acknowledgment of successful program completion.

Student Conduct and Discipline

A student's continued enrollment at Ve-I is dependent upon his/her academic progress and behavior. The awarding of academic credits and recognition and the conferring of degrees, diplomas, certificates, and awards are subject to the academic and judicial authorities of Ve-I. A student's attendance may be terminated, and he/she may, following due process, be dismissed from Ve-I at any time and on any grounds deemed advisable by the Administration.

Student conduct, both on and off campus, of a nature which would reflect discredit on the student and/or on Ve-I, may result in disciplinary action by Ve-I. Persons are subject to the laws of the State regardless of their student status and are subject to Ve-I discipline when Ve-I's interests as an academic community are distinctly and clearly involved.

The judicial process will be the responsibility of the Director of Student Services. The Director may take administrative disciplinary action when it is deemed necessary to ensure the safety of students, faculty, or staff and/or the continuation of the educational process. The final judicial authority of Ve-I is vested in the President. Additional details may be found in the Student Handbook.

Transcripts

Ve-I keeps records of student attendance, course work completed, and certifications attained where applicable. Transcripts of a student's records will be furnished upon written request. The first two copies are free. A fee of \$3.00 will be charged for each additional copy. A faxed copy will cost an additional \$5.00 per transcript.

Student Records

Ve-I keeps student records in a locked file cabinet within our admissions' office and/or in electronic format on a secure server. These records include but are not limited to daily attendance sheets, transcripts, certifications, certificates of completion, certifications, disciplinary records, training plans, Gantt charts, resumes, application forms and other student related records.

Transfer of Credit

Students may be admitted to programs with advanced standing if they have successfully completed appropriate courses at another institution. Courses successfully completed prior to admission will be considered for transfer but may still require testing to ensure the knowledge is current. A considerable amount of the material we teach is time sensitive so the completion of a similar course in the past may not be a reflection of the skills required to meet current requirements. This is especially true of software-based programs.

It is the responsibility of students to furnish the following: (1) official transcript, certificate, diploma, or other record of satisfactory completion and (2) copy of the course description(s). The VP of Student Services or designee will evaluate each program specific course and grade. The VP of Student Services determines if the credits should transfer and if so, whether a competency test is required.

Academic Standards and Grading

The main mission of any career school is to prepare the student for immediate gainful employment. The standards and requirements of each employer vary based on many factors such as the industry the company is in, the markets they service, the complexity of their products and their associated life cycles. Unfortunately, traditional grading systems are not a true measure of a student's capabilities as an "A" student at one institution may be a "C" student at another institution. With that in mind Ve-I grants Ve-I Certificates on a Pass/Fail basis augmented with one or more of the following program dependent options:

- **An industry recognized certification** where applicable (i.e. CSWA, CSWP, CEMP, PMP, etc.). These certifications demonstrate that the student has gained a level of proficiency that can be measured consistently across the industry they are in regardless of what school they went to.
- A personal portfolio of completed work that the student can present to the prospective employer. This portfolio has a wide variety of material that the students successfully created. This allows the employer to see the work completed that is important to them.

Minimum progress standards to pass the certificate program are based on a combination of testing and projects described below. Students failing the following will be designated as not meeting satisfactory progress. Failure to meet satisfactory progress will result in either Academic Probation or Academic Suspension.

Testing - Application specific testing given to the student electronically or in written form where applicable. Tests may be graded as Pass/Fail or as a percentage based on correctly answered questions. The minimum passing percentage grade is 70%. The results of these test are usually conveyed to the student in real time or in less than a 48-hour period. These results are used, at a minimum, to determine if the student is ready to proceed to the next subject/course. Pass/Fail is based in part on these course assessments. Students

must be present for final exams either in-center, at a Ve-I designated testing center, or via remote proctor using a live video feed, to be determined at the sole discretion of Ve-I.

Projects - Projects may be presented to the student to practice use of the application software and reinforce the techniques taught during both lectures and lab exercises. Projects are given to the student to test how well they can apply the program material to a real-world work scenario. A final project will be graded based on instructor's pre-determined criteria. Students will be expected to be able to reproduce any and all project work, done offsite, in front of the instructor or even a prospective employer. Students must be able to reproduce all or portions of a final project that has been done remotely. Demonstration can take place either in-center, at a Ve-I designated testing center, or via remote proctor using a live video feed, to be determined at the sole discretion of Ve-I.

Academic Probation Definition: A warning which indicates the student may not be on track to graduate due to poor academic performance. The student may remain in the program, but their academic progress will be monitored. Students not meeting the criteria above will be placed on Academic Suspension. If a student fails to qualify for a certificate by the end of the program window a one-time 30-day program extension may be granted. Additional fees may apply.

Academic Suspension Definition: Suspension may be from the program or the institution and is usually for one program cycle. The suspended student may reapply for admission to the program after one program cycle. The program cycle is the length of the program the student originally enrolled in.

Remediation: Ve-I will, at its discretion, continue to work with a student who is failing to meet satisfactory progress, provided they are making a positive concerted effort to learn the required subject matter. Ve-I may, at its sole discretion, offer an extension of the original enrollment period, additional training materials and/or additional instructors to aid the student to make satisfactory progress.

In the case of students receiving a grant from an outside agency, the granting agency will be notified of unsatisfactory progress as soon as Ve-I deems the student is unlikely to make satisfactory academic progress or is likely to require an enrollment extension to do so. At that time the granting agency may decide if an extension is warranted or if the student should be put on Academic Probation or Academic Suspension. In all cases, Ve-I may, at its sole discretion, elect to place the student on Academic Probation or Academic Suspension.

Re-instatement: A student who has been placed on Academic Probation or Academic Suspension must demonstrate that the original issue that was keeping the student from making satisfactory academic progress has been rectified. The decision to re-instate is at the sole discretion of Ve-I. Additional details may be found in the Student Handbook under "Appeals Process & Re-Instatement".

Academic Graduation Requirements: Students must pass all designated core courses to receive a certificate and graduate. Project & Lab work must also be completed fully to receive a Visible Edge Institute Certificate. Electives taken but not passed will not be included on the final Certificate.

Withdrawal and Readmission

Students who find it necessary to withdraw from Ve-I should first notify their instructor or faculty advisor and then obtain a withdrawal form from the Registrar's Office. The student will circulate the withdrawal form to the indicated Ve-I offices and return to the Registrar. Failure to officially withdraw or return Ve-I property may result in a student's records being noted: "Withdrawn-Not-in-Good-Standing."

An official withdrawal from Ve-I after the last date to drop a course shall be considered effective the first day of the following program cycle for academic reasons, and the student will be held academically accountable for the entire program cycle. A final grade will be issued as though the student had completed the entire program cycle. Students who have officially withdrawn from Ve-I in good standing may apply for readmission.

Graduation Requirements

As a general rule a student must, at a minimum, comply with the Attendance Policy, Student Conduct and Discipline guidelines set forth in this catalog. Grading and standards requirements must be met based on the section in this document titled "Academic Standards & Grading". Industry specific certifications included in each program the student chooses to take as part of their program must be attained.

STUDENT SERVICES

Fully aware that the value of the learning experience for each student is greatly affected by personal problems, needs and interests, the administration and faculty of Ve-I regard student services as an integral part of the total educational program. A conscientious effort is made to know students as individuals and to serve them accordingly.

The Student Handbook describes specifically the student related policies and programs at the Institute. Students are expected to be informed about the policies published in this catalog and in the Student Handbook as well as subsequent policies and information that may be published or posted during the school year. Policies of Ve-I may, and often do, change since Ve-I must maintain flexibility to serve its students. It is the responsibility of the student to read and understand Ve-I policies.

Counseling Service

Counselors are available to assist students at Ve-I to achieve their maximum potential. Services are available for academic, vocational, and career counseling concerns.

Food Services

Ve-I cafeteria offers a variety of hot and cold snack and lunch options. Hours of operation are posted. Additionally, vending machines are available for beverages and snacks.

Graduate Placement

Ve-I is sensitive to the career counseling needs of students. Ve-I provides personalized career counseling services. Students are assisted in their search for employment through notification of employment opportunities, access to skill building seminars such as resume writing and job search strategies, as well as opportunities for on campus interviews with business representatives. Visible Edge Institute also offers full-service placement services to aid students gain employment pre and post-graduation.

Academic Support Center

Computer Lab –Students may use our computers to work on their assignments.

Workshops – Workshops on a variety of subjects are held during the course of each program cycle.

STUDENT CALENDAR

2024 Program Rolling Trimester Schedule

Start Date	Finish Date
January 1, 2024	May 3, 2024
January 8, 2024	May 10, 2024
January 15, 2024	May 17, 2024
January 22, 2024	May 24, 2024
January 29, 2024	May 31, 2024
February 5, 2024	June 7, 2024
February 12, 2024	June 14, 2024
February 20, 2024	June 24, 2024
February 26, 2024	June 28, 2024
March 4, 2024	July 5, 2024
March 11, 2024	July 12, 2024
March 18, 2024	July 19, 2024
March 25, 2024	July 26, 2024
April 1, 2024	August 2, 2024
April 8, 2024	August 9, 2024
April 15, 2024	August 16, 2024
April 22, 2024	August 23, 2024
April 29, 2024	August 30, 2024
May 6, 2024	September 6, 2024
May 13, 2024	September 13, 2024
May 20, 2024	September 20, 2024
May 28, 2024	September 30, 2024
June 3, 2024	October 4, 2024
June 10, 2024	October 11, 2024
June 17, 2024	October 18, 2024
June 24, 2024	October 25, 2024
July 3, 2024	November 7, 2024
July 8, 2024	November 8, 2024
July 15, 2024	November 15, 2024
July 22, 2024	November 25, 2024
July 29, 2024	November 29, 2024
August 5, 2024	December 6, 2024
August 12, 2024	December 13, 2024
August 19, 2024	December 23, 2024
August 26, 2024	December 30, 2024
September 3, 2024	January 6, 2025
September 9, 2024	January 10, 2025
September 16, 2024	January 17, 2025
September 23, 2024	January 24, 2025
September 30, 2024	January 31, 2025
October 8, 2024	February 10, 2025
October 14, 2024	February 14, 2025
October 21, 2024	February 21, 2025
October 28, 2024	February 28, 2025
November 4, 2024	March 7, 2025
November 11, 2024	March 14, 2025
November 18, 2024	March 21, 2025
November 25, 2024	March 28, 2025
December 2, 2024	April 4, 2025
December 9, 2024	April 11, 2025
December 16, 2024	April 18, 2025
December 24, 2024	April 28, 2025

All Programs start every Monday and finish an average of 4 months from the start date.

Actual length will depend on program chosen, electives selected and any approved extensions.

Students who wish to start on a scheduled holiday will be onboarded the day before the holiday or on the Friday before if the holiday falls on a Monday.

Students have full access to all course materials and lectures 365 days/year.

2024 Holidays

January 1 st , Monday	New Year's Day	– Closed
January 15 th , Monday	Martin Luther King's Birthday	– Closed
February 19 th , Monday	President's Day Holiday	– Open
May 27 th , Monday	Memorial Day	– Closed
July 4 th , Thursday	Independence Day Holiday	– Closed
September 2 nd , Monday	Labor Day Holiday	– Closed
October 14 th , Monday	Columbus Day	– Open
November 11 th , Friday	Veteran's Day Holiday	– Closed
November 28 th , Thursday	Thanksgiving Holiday	– Closed
November 29 th , Friday	Thanksgiving Holiday	– Closed
December 25 th , Wednesday	Christmas Day (celebrated)	– Closed

COSTS

Individual Course Costs

Duration	Costs
Per Hour	\$75
Per Day	\$600
Per Week	\$3,000

- Includes Course & Labs (No Project Work).
- Includes all items to complete the course
- Hourly rate for courses less than 8 hours.
- Daily rate based on 8 hours/day of course time.
- Weekly rate based on 40 hours/week of course time.
- Courses listed in Ve-I programs may be available to be purchased individually.

Program Tuition

All programs are customizable to the student's current background, skills, existing credentials and career goals. The total tuition will be based on the core courses required, plus elective chosen, minus applicable credit for prior credentials including but not limited to the same core courses taken at accredited institutions, licensed career schools and through military training.

Duration	Costs
Per Hour	\$20
Per Day	N/A
Per Week	\$500
Capstones	\$6,000/80 hrs.

- Includes all required Course, Lab, Project Work + eLearning Subscription
- Can be scaled up to any price point based on # of Elective hours chosen
- Not all programs available at this price point
- May include an elective Capstone Project and required materials
- Additional customization available
- Electives can be added or deleted @\$20.⁰⁰/Course Hour
- Actual individual course costs are listed in the Addendum

Sample Program Costs		
Program Hours	Weeks	Costs
200	8	\$4,000
300	12	\$6,000
500	20	\$10,000
650	26	\$13,000
+Capstone	3+	+\$6,000

Weeks Total

- values are based on 25 hours/week of course work
- may be increased/decreased by adjusting weekly commitment hours
- weekly commitment adjustments will not affect calculated costs for the courses

Minimum Program length of 200 hours to get the bundled program discount

Schedule of Fees

The following are additional charges for required items needed for the assigned coursework, if applicable.

A \$0 fee means the item is included in the course cost and available for the duration of the course.

- Books (hardcopy, if required) – \$0
- Digital Media Subscriptions – \$0
- Software Subscriptions – \$0
- Supplies – \$0
- Tools – \$0
- Laboratory fees – \$0
- Certification Exams – \$0 for the first take.
 - The prices for industry recognized certification exams are listed individually on each students training plan. If a student fails the exam, they may elect to retake the exam at their expense, at the cost listed on their training plan.
- Rentals – \$0 (Computer loaners must be secured with a credit card)
- Student activities – \$0
- Service charges – Not Applicable
- Deposits – Not Applicable
- All other charges – Not Applicable

Program Curriculum Summary

The following programs are currently available through Ve-I

Information Technology & Cybersecurity

Information Technology Essentials
IT Help Desk Support Technologies
Cybersecurity & Information Technology (IT)
Microsoft (Office) 365 Administration Technologies
Network Administration Technologies
Windows Desktop & Server Administration Technologies
Cloud Computing Technologies

Data Analytics, Data Science, GIS, & Software

Artificial Intelligence (AI) Technologies
Artificial Intelligence (AI) for the Workplace
Data Analytics Applications Specialist
Data Analytics Technologies
Data Science & Machine Learning Technologies
GIS and Digital Cartography Technologies
Software Engineering Technologies

Management & Office Administration

Business Process Improvement Technologies
Entrepreneurship & Business 101 Technologies
Human Resources (HR) Technologies
Project Management (PMP/CAPM/PM)
Office Administration & Support Technologies

Exploratory Programs

Open Career Studies
Science & Technology Exploration Program (STEP)

Marketing & Graphic Design

Game Design and Development Technologies
Digital Marketing Applications Specialist
Digital Marketing & Web Design Technologies
Digital Marketing & Graphic Design
Graphics Design Applications Specialist
Graphics Design Technologies

Mechanical & Architectural

SolidWorks Mechanical Design Applications Specialist
Inventor Mechanical Design Applications Specialist
Creo Mechanical Design Applications Specialist
Revit Architectural Design Applications Specialist
AutoCAD Design Applications Specialist
Mechanical Design Technologies
Mechanical Engineering Review
Mechanical Engineering Technologies

Building & Construction

Architectural Design Technologies
Building & Construction Design Applications Specialist
Civil Design Technologies

Robotics, Manufacturing, and Production

Advanced Manufacturing Technologies
Manufacturing Applications Specialist
Production Technologies
Robotics & the Internet of Things (IoT) Technologies



ve-I

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Ve-I is a State of New Hampshire Licensed Post-Secondary Educational Institution.

This catalog is a guide to Ve-I, and its contents are subject to revision at any time.

Ve-I reserves the right to change fees, courses, policies, programs, services and personnel as required. *A matriculated student must follow the curriculum of the program at the time of matriculation.*

Ve-I is a smoke-free campus.

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Addendum

Course Listings by Program

Please note page numbers for the addendum below begin at 1.

Please see the next page for a Table of Contents of the Addendum.