Ve-I®

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[Signature]
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PRESIDENT’S MESSAGE

We are unique…. Our FOUNDATION is in the industry we teach

Ve-I is the Education & Training division of Visible Edge, Inc. We have been servicing the needs of the technical community for over 30 years. The Resource & Staffing and Technology & Integration Services divisions of Visible Edge allow us to have direct contact and immediate feedback from major employers in the New England area. 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 don’t starve for the 2 + years until they get their degree... 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’s not enough. That’s where we come in. Our certificate 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 15 consecutive 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 curriculum together with the aggressive pace is geared towards rapid achievement of your employment goals.

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, 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 will provide 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 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 will become the preferred provider of Mechanical Designers, Additive Manufacturing Specialists, Animators, Data Management (PLM) Applications Support Specialists and Project Management Professionals for a multitude of disciplines in demand.

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 student 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 Mechanical Engineers each with 30+ years’ experience managing and working in engineering environments.

Education & Training Services

Ve-I, the training division of Visible Edge Computing, Inc., was established in 1998. We have been providing both applications specific training and career related certificate programs. We are a Bonded & Licensed Post-Secondary Educational Institution. We offer application specific courses for current MCAD Systems, Animators, Digital Marketing, Product Data Management (PDM) Systems, Product Lifecycle Management (PLM) Systems, Advanced Manufacturing, Project Management, Data Analytics and Cybersecurity for the entire design-through manufacturing process. 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, project management, PDM/PLM services, design automation, animation, structural/thermal analysis, part & machine design, simple to complex modeling, detailing & drawing creation & simple legacy MCAD file conversions. 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, 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 MCAD & PLM applications. As technology & integration specialists, Visible Edge, Inc. provides the software, hardware & consulting support to keep our customers product development environments running at peak efficiency.
CERTIFICATE PROGRAMS OF STUDY

What are some of the core competencies that companies are looking for in their employees? Excellent modeling techniques, experience with data management tools, excellent troubleshooting skills, Project Management skills and Advanced Manufacturing skills to name a few. Our courses teach the skills required to attain these core competencies. The blocks of material alone far exceed what most experienced employees have the opportunity to learn in a classroom environment. Deep dive into one of our programs and attain the skills you need for your next job.

You will be taught industry standard skills and tools used by major discreet manufacturers and product development companies. 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. Below is a summary of the program types available. All program lengths vary between 300 and 750+ hours depending on program level and electives chosen.

**Mechanical & Design Applications**

**Architectural Design Applications**

**Fundamental & Advanced Manufacturing**

**Project Management Professional (PMP/CAPM)**

**Data Analytics & Management (PLM)**

**Animation & Digital Marketing**

**Cybersecurity**

**Jump Start**

*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.*
Mechanical Design Applications

Become a Master in the field of Mechanical Design Applications

These programs focus on teaching students the efficient use of a “state of the art” MCAD application. This MCAD based Certificate Program provides students with practical hands-on technical experience in the use of products by leading MCAD vendors including SolidWorks, the PTC Creo™ family of design software (formerly Pro/ENGINEER), Autodesk Inventor, PTC Mathcad™ computer-aided analysis (CAA) software, and Product Lifecycle Management (PLM) software. Students make the ultimate decision on which products they would like to focus on. Upon successful completion students will be proficient 3D Solid Parametric Modelers.

Students have a choice between leading MCAD tools!

**SolidWorks**
The SolidWorks path includes a set of well-rounded electives that will provide additional general MCAD application training in many different field specific disciplines such as Surfacing, Piping & Tubing, Mold Design, etc.

**Creo (formerly known as Pro/ENGINEER)**
The Creo path also includes a set of well-rounded electives that will provide additional general MCAD application training in many different field specific disciplines such as Surfacing, Piping & Tubing, Mold Design, etc.... Those who choose to Creo path will have access to a larger number of electives. Students will be able to choose to cover a range of electives or focus on discipline specific paths such as Advanced Manufacturing, Industrial Design, Electrical & Routed Systems or Simulation.

**Autodesk Inventor & Revit**
The Inventor path includes Essentials, Intermediate and Advanced Inventor training. A set of well-rounded electives targeted towards companies who are current Autodesk product users such as AutoCAD and 3ds Max. The advanced training also provides additional general MCAD application training in many different field specific disciplines such as Piping & Tubing, Plastic Part Design, iLogic programming + more....

Please see following course outlines and related descriptions for specifics. Number of Elective hours available dependent on Program Level chosen.
SolidWorks Mechanical Design Applications

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), Inventor & Revit.

SolidWorks Core Courses

SolidWorks I - Introduction
SolidWorks II - Advanced SolidWorks
SolidWorks Drawings
Advanced Part Modeling
Advanced Assembly Modeling
Sheetmetal
Surfacing Essentials
Weldments
Project Work (based on % class time)
SolidWorks Electives

The core courses form the foundation of a superior MCAD user. These electives allow the student to explore additional tools rarely offered to people already working in industry such as simulating if a part is going to fail under normal use.

Explore the creation of complex surfaces used in many of today’s consumer products and how to design the molds to make them. Learn how to easily route pipes and tubing in a 3D model. Gain experience managing design data using a Product Data Management (PDM) environment. Learn how to manage model and assembly structures, develop best practice modeling techniques and learn troubleshooting techniques for the occasions where you are required to work on someone else’s models.

SolidWorks Electives (partial list)

Geometry Creation Courses
- Drawing Best Practices
- Advanced Surfacing Using SolidWorks
- SolidWorks Simulation (Mechanical)
- SolidWorks Flow Simulation
- SolidWorks Routing – Piping & Tubing
- MasterCAM
- Mold Tools and Plastic Design Using SolidWorks
- Mold Design Using SolidWorks
- Introduction to PLM for SolidWorks Users

Using an Enterprise PLM System
- Advanced PLM for SolidWorks Users

Mathcad
- Introduction to Mathcad Prime

*Depends on Program Level Chosen

Quickly open massive assemblies to view and interrogate using Large Design Review, which includes complete component listings, measurement, sectioning, and walk-through.
Creo Mechanical Design Applications

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 & Revit.

**Core Courses - Creo**

- Intro to Parametric Modeling - Fundamentals
- Intro to Parametric Modeling - Productivity Tools
- Detailing
- Creating 3-D Drawings
- Flexible Modeling
- Advanced Part Modeling
- Advanced Assembly Design

- Sheetmetal Design
- Project Work (based on % class time)
- Using an Enterprise PLM System
- Introduction to PLM for CAD Users
Students may choose electives over a wide range of disciplines or focus on one of their choosing.

**Elective Courses – Creo (partial list)**

![Icon](image)

**Geometry Creation**
- Engineering Drawing & Design

**Industrial**
- Surfacing
- Freestyle Surface Design
- Interactive Surface Design

**Simulation**
- Simulate Live!
- Using Mathcad with a Parametric Modeler
- Behavioral Modeling
- Introduction to Simulation
- Manikin (Human Factors)
- Mechanism Design
- Mechanism Simulation
- Tolerance Analysis Extension Circuit Card Tutorial
- Tolerance Analysis Extension Electric Motor Tutorial

**Electrical & Routed Systems**
- Cabling using Parametric Modeling
- ECAD-MCAD Collaboration with Cadence
- Introduction to Schematics
- Piping Schematic Design using RSD
- Piping using Parametric Modeling
- Routed Systems Designer

**Manufacturing**
- MasterCAM
- Turning
- Advanced Turning and Multi-task Machining
- Milling
- Mold Design
- Process for Assemblies

**Mathcad**
- Design of Experiments Using Mathcad Prime
- Application Orientation
- Data Exchange and Analysis
- Plotting
- Programming Mathematical Expressions
- Symbolics and Solving
- Working with Units
- Integration with Creo Parametric

**Industrial Design**
Interested in designing consumer products? Focus on learning advanced surfacing skills required to design ergonomic and visually appealing products. Use the software’s advanced capabilities to help you design working mechanisms and simulate their actions in real time.

**Simulation & Machine Design**
Interested in designing machinery and other capital equipment? Get a leg up on your competition by learning advanced skills that will increase your value to a potential employer. Use the software’s advanced capabilities to help you design working mechanisms and simulate their actions in real time.

**Electrical & Routed Systems**
In addition to the core classes above, learn the tools used to design piping, cabling, sheetmetal enclosures, cabinets and other weldments. Touch on basic surface modeling to add style to your designs.

**Manufacturing**
Read the news lately? Re-shoring is the new trend. More and more companies are coming to the realization that not all manufacturing can be done cheaper or better off shore. Hi tech manufacturing is on its way back with a greater demand than ever to fill these highly technical positions. These classes will help prepare you to work on the Engineering & Design side preparing MCAD models to be sent to mold manufacturers, CNC machinists or a sheetmetal stamping house or on the Manufacturing side itself taking MCAD models and preparing them for machining or other physical processing.

**Mathcad**
Are you an engineer or highly analytical person? PTC Mathcad is the single solution for solving, analyzing, and sharing your most vital engineering calculations. Presented within an easy-to-use interface, its live mathematical notation, units intelligence, and powerful calculation capabilities allows engineers and design teams to capture and communicate their critical design and engineering knowledge.
Inventor Mechanical Design Applications

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 Creo (AKA Pro/ENGINEER), SolidWorks & Revit.

Core Courses – Inventor

Autodesk Inventor - Essentials
Autodesk Inventor – Intermediate
   Appearance, Materials and Styles
   Sheet Metal Design
   Tube and Pipe Design Essentials
   Frame Generator
   Weldments
   Plastic Part Design

Autodesk Inventor – Advanced
   Cable and Harness Design
   Simulation FEA Essentials
   Simulation Kinematic Essentials
   iLogic Essentials

PROFESSIONAL-GRADe DESIGN

Sketching
Sheet Metal
Large Assembly Design
Part Design

Designed by Monsterbeak using Inventor

Model Based Definition
**Elective Courses – Inventor (partial list)**

**AutoCAD Mechanical**
- AutoCAD Mechanical - L1 - Getting Started
- AutoCAD Mechanical - L2 - Drawing & Editing
- AutoCAD Mechanical - L3 - Documentation

**AutoCAD Electrical**
- AutoCAD Electrical Essentials
- AutoCAD Electrical Productivity Tools

**AutoCAD Civil 3D**
- Introduction to Civil 3D
- Intermediate Civil 3D
- Introduction to Civil 3D

**3ds Max**
- 3ds Max - Introduction
- 3ds Max - Intermediate

*Depends on Program Level Chosen

**Inventor Electives**

The core courses form the foundation of a superior MCAD user. These electives allow the student to explore additional tools rarely offered to people already working in industry such as simulating if a part is going to fail under normal use.

Explore the creation of complex surfaces used in many of today’s consumer products and how to design the molds to make them. Learn how to easily route pipes and tubing in a 3D model. Gain experience managing design data using a Product Data Management (PDM) environment. Learn how to manage model and assembly structures, develop best practice modeling techniques and learn troubleshooting techniques for the occasions where you are required to work on someone else’s models.
Architectural Design Applications

Become a Master in the field of Architectural, BIM & Civil Design Applications

Revit Architectural Design Applications

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 building 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.

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<thead>
<tr>
<th>Core Courses – Revit</th>
<th>Revit BIM</th>
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<tr>
<td>Revit Tips and Tricks</td>
<td>Revit MEP Construction Documents</td>
</tr>
</tbody>
</table>
**Elective Courses – Revit (partial list)**

**AutoCAD Mechanical**
- AutoCAD Mechanical - L1 - Getting Started
- AutoCAD Mechanical - L2 - Drawing & Editing
- AutoCAD Mechanical - L3 - Documentation

**AutoCAD Electrical**
- AutoCAD Electrical Essentials
- AutoCAD Electrical Productivity Tools

**AutoCAD Civil 3D**
- Introduction to Civil 3D
- Intermediate Civil 3D
- Introduction to Civil 3D

**3ds Max**
- 3ds Max - Introduction
- 3ds Max - Intermediate

**Revit Electives**

The core courses form the foundation of a superior MCAD user. These electives allow the student to explore additional tools rarely offered to people already working in industry such as simulating if a part is going to fail under normal use.

Explore the creation of complex surfaces used in many of today’s consumer products and how to design the molds to make them. Learn how to easily route pipes and tubing in a 3D model. Gain experience managing design data using a Product Data Management (PDM) environment. Learn how to manage model and assembly structures, develop best practice modeling techniques and learn troubleshooting techniques for the occasions where you are required to work on someone else’s models.

*Depends on Program Level Chosen*
Fundamental & Advanced Manufacturing

Prepare yourself for the present and future of manufacturing

Our Manufacturing & Process Improvement Programs cover a wide range of subjects including, but not limited to, the emerging and exciting field of Additive Manufacturing (aka 3D Printing), CNC software use, Design for Manufacturing and Assembly (DFMA). Subjects also include Lean/6 Sigma, Agile/Scrum, Kaizen, FMEA, Augmented Reality (AR), the Internet of Things (IoT) plus more training to improving the efficiency and reducing the risks in a manufacturing environment.
Advanced Manufacturing

This program teaches you the basics of manufacturing processes and how companies manage and improve these processes. You will learn skills and concepts in the emerging field of Additive Manufacturing (3D Printing), Process Improvement, Design for Manufacturing & Assembly (DFMA), Lean Manufacturing, machine code generation, basics of machining and fabrication and how to create and manage technical documentation that will be used in the manufacturing process.

Core Courses – Advanced Manufacturing

- Additive Manufacturing (3D Printing)
- Master CAM
- Total Quality Management Certification (TQM)
- Lean Management Certification
- Six Sigma Green Belt (DMAIC)
- Lean/Six Sigma Green Belt Certification
- Lean/Six Sigma Healthcare Green Belt Certification
- Internet of Things (IoT)
- Kaizen (Process Improvement methods)
- Agile/Scrum
- Failure Mode & Effects Analysis (FMEA)
- Root Cause Analysis
- Introduction to Design for Manufacturing & Assembly (DFMA)
- Visio for Value Stream & Process Flow Chart Mapping

What Is Lean Six Sigma?

LEAN + SIX SIGMA = 6Σ

LEAN
Reduces waste by streamlining a process.

SIX SIGMA
Reduces defects by effectively solving problems.

LEAN SIX SIGMA
LEAN excels at SIX SIGMA.
Solving problems and improving processes is faster and more efficient.

6 Σ
Mastercam
Elective Courses – Advanced Manufacturing (partial list)

Manufacturing
- Master CAM
- Introduction to GD&T
  - GD&T ASME Y14.5 2009 Update
  - Advanced GD&T

Process Improvement
- Introduction to Design for Manufacturing & Assembly (DFMA)
- Lean/Six Sigma Green Belt Certification
- Lean/Six Sigma Healthcare Green Belt Certification
- Kaizen (Process Improvement methods)
- Failure Mode & Effects Analysis (FMEA)
- Root Cause Analysis
- Visio for Value Stream & Process Flow Chart Mapping

Electives - Data Management
- CAD Specific Workgroup Managers
  - PLM for SolidWorks Users
  - Creo Parametric Data Management
  - PLM for Creo Parametric Users
  - AutoCAD Data Management
  - PLM for AutoCAD Users
  - ECAD Data Management
  - PLM for ECAD Users

Using an Enterprise PLM System
- Locate and View Information
- Standard Document Management
- Change Management
- Introduction to PLM for Non-CAD Users
  - Information Viewers
  - Reviewers and Approvers
  - Document Editors and Authors
  - Engineers
  - Managers
  - Manufacturing Engineers
  - Configuration Managers
- Introduction to PLM Manufacturing
  - ECAD Visualization
  - Visualization Lite

Electives - Project Management
- Project Management Fundamentals
  - Microsoft Project Level 1
  - Microsoft Project Level 2
- Certified Associate in Project Management (CAPM)*
  - Certification Preparation*
Elective Courses – Advanced Manufacturing (partial list)

Geometry Creation
   Engineering Drawing & Design

Electives - Creo
   Geometry Creation with Creo
   Introduction to Parametric Modeling - Productivity Tools
   Detailing
   Sheetmetal Design
   Flexible Modeling
   Advanced Modeling
   Advanced Assembly Design
   Structural Steel Design
   Manufacturing with Creo
   Turning
   Advanced Turning and Multi-task Machining
   Milling
   Mold Design
   ProNC
   Process for Assemblies

Tolerance Analysis Extension Circuit Card Tutorial
Tolerance Analysis Extension Electric Motor Tutorial

Industrial Design with Creo
   Surfacing
   Freestyle Surface Design
   Interactive Surface Design
   Simulation with Creo

Using Mathcad with a Parametric Modeler
   Behavioral Modeling
   Introduction to Simulation
   Manikin (Human Factors)
   Mechanism Design
   Mechanism Simulation
   Routed Systems with Creo
   Cabling using Parametric Modeling
   ECAD-MCAD Collaboration with Cadence
   Introduction to Schematics

Piping Schematic Design using Routed Systems Designer

Piping using Parametric Modeling
   Routed Systems Designer

Electives - SolidWorks
   Geometry Creation with SolidWorks
   SolidWorks I - Introduction
   SolidWorks II - Advanced SolidWorks
   SolidWorks Drawings
   Advanced Part Modeling
   Advanced Assembly Modeling
   Sheetmetal
   Weldments
   Manufacturing with SolidWorks
   Mold Tools and Plastic Design Using SolidWorks
   Mold Design Using SolidWorks
   SolidWorks Routing – Piping & Tubing
   Industrial Design with SolidWorks
   Surfacing Essentials
   Advanced Surfacing Using SolidWorks
   Simulation with SolidWorks
   SolidWorks Simulation (Mechanical)
   SolidWorks Flow Simulation

Electives - Other
   Mathcad
   Design of Experiments Using Mathcad Prime
   Mathcad Prime - Application Orientation
   Mathcad Prime - Data Exchange and Analysis
   Mathcad Prime - Plotting
   Mathcad Prime - Programming Mathematical Expressions
   Mathcad Prime - Symbolics and Solving
   Mathcad Prime - Working with Units
   Mathcad Prime 3.0 Integration with SolidWorks

Introduction to Mathcad Prime
   Using Mathcad with a Parametric Modeler

Project Work
   Project Work - Design & fabricate a part using 3D printing
   Additional Project Work
Project Management

Time to take the next step in your career

Use your experience in the trenches to become a leader in an organization. Our Project Management Programs allow multiple career paths based on your interests.

Project Management Professional + PMP/CAPM Certification Preparation

Looking for a purely project management role? This program prepares you to receive industry recognized certifications. If you have prior project management experience but less than 2,000 hours, your primary focus will be in obtaining your Certified Associate in Project Management (CAPM) Certification. If you meet the minimum time and duration requirements you may also pursue your PMP Certification. In addition, there is a large list of available electives to broaden your skillset even further.

Are you a technical person who enjoys working with people and data? Do you have engineering or design experience and want to broaden your career options while staying in a technical role? This program can be modified for the individual who wants to take a more active management role related to project management while staying in a technical role. In this program you can select electives that will allow you to learn how to configure and assist in the implementation of a project management system, utilizing your experience in a project management role.
Project Management Professional + PMP/CAPM Certification Prep

This program prepares you for the PMP® (Project Management Professional) Certification Exam and/or the CAPM (Certified Associate in 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.

**Project Management – Core Classes**

**Project Management Basics**

- Project Management Fundamentals
- Microsoft Project Level 1
- Microsoft Project Level 2

**CAPM ®**

**Certified Associate in Project Management**

Certification Prep & Exam (included)

**PMP ®**

**Project Management Professional**

Certification Prep & Exam (included)

Topics include but are not limited to:

- 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 Exam Tips and tricks

**Using a PLM System for Project Management**

- Introduction to PLM for Non-CAD Users Reviewers and Approvers
- Document Editors and Authors
- Configuration Managers
- Managers

**Project Management Specific PLM Applications**

- Introduction to PLM Project Management
- Work Management with PLM Project Management
- Process Administration of PLM Project Management
- PLM and PLM Project Management Interoperability
Elective Courses – Project Management + PMP/CAPM Certification Prep Electives (partial list)

**Process Improvement**
- Total Quality Management Certification (TQM)
- Lean Management Certification
- Six Sigma Green Belt (DMAIC)
- Lean/Six Sigma Green Belt Certification
- Lean/Six Sigma Healthcare Green Belt Certification
- Kaizen (Process Improvement methods)
- Visio for Value Stream & Process Flow Chart Mapping
- Agile /Scrum

**Using an Enterprise PLM System**
- Locate and View Information
- Standard Document Management
- Change Management
- Information Viewers, Engineers
- Manufacturing Engineers
- Introduction to PLM for CAD Users
- Introduction to PLM Manufacturing

**Project Management with a PLM System**
- Locate and View Information
- Standard Document Management
- Project Data Management
- Visualization, ECAD Visualization
- MCAD Data Management
- Product Structure Management

**Project Management PLM Applications**
- Business Administration
- User and Policy Administration
- Data and Context Administration

**Geometry Creation**
- Creo - Core Courses
- Introduction to Parametric Modeling - Fundamentals
- Introduction to Parametric Modeling - Productivity Tools

**SolidWorks - Core Courses**
- SolidWorks I - Introduction
- SolidWorks II - Advanced SolidWorks

**Autodesk - Core Courses**
- Autodesk Inventor - Essentials
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Data Analytics & Management (PLM)

Most companies require knowledge in the use of collaboration and product lifecycle management (PLM) applications. **We are one of the few (if any) institutions that teach this critical skill.** These applications are key to managing product content data in order to reduce design process errors and shorten development time. Many of today’s Mechanical Designers will spend more than 90% of their work hours using these tools. The ability to use these tools is now a vital requirement to getting a job in the Documentation Control, Project Management and Mechanical Engineering & Design fields.

The PDM/PLM Support Specialist curriculum prepares personnel to manage the storage and retrieval of product data including, but not limited to, drawings of mechanical parts and assemblies, the models of parts and assemblies and other supporting documentation related to components of mechanical, electrical and software systems.

What is the difference between PDM & PLM?

Product Data Management (PDM) systems are usually limited in scope to a specific engineering and design workgroup or department. Access to the data by people outside of that group of people is usually severely limited or non-existent. It is the more traditional means of storing engineering product data in an existing organization however there are still many companies who do not utilize a data management system, usually to their own peril.

Product Lifecycle Management (PLM) systems span the entire Enterprise. PLM systems are setup and configured up front to provide access to product data to the entire Enterprise in a pre-determined controlled manner. Common users of a PLM system extend beyond the engineering and design departments to procurement, marketing, field service, manufacturing, etc.... Traditionally only the largest of companies could afford the costs associated with a full Enterprise level PLM system. Improvements in the software development over the last 5 to 10 years have brought this powerful toolset to companies in the SMB marketplace.
Core Courses – Data Analytics & Management (PLM)

Data Analytics
- Python
- Statistics
- Statistics Certification
- Python for Data Science
- LabView & Matlab

Introduction to SQL
- Data Analytics Certification

Data Analysis with ThingWorx Analytics
PRINCE2® Foundation Certification Training

Using an Enterprise PLM System
Locate and View Information
- Standard Document Management, Change Management
- Introduction to PLM for Non-CAD Users, Information Viewers, Reviewers and Approvers, Document Editors & Authors, Manufacturing Engineers,
- Introduction to PLM for CAD Users,

Administrative Functions of Enterprise PLM
- Business Administration of PLM,
- Data and Context Administration,
- User and Policy Administration,
- Process Administration,
- System Administration Overview of PLM
- Product Structure Management
- Desktop Integration

CAD Workgroup Managers
- SolidWorks, Creo Parametric,
- AutoCAD, ECAD, CATIA & NX

Project Work +
Build & Configure a Live PDM Essentials System

Core Data Management (PLM) Support Specialist
Within today’s highly competitive, geographically dispersed design and manufacturing environments, effectively managing product content has never been more important. The consequences of using outdated versions, losing files or failing to properly incorporate engineering changes can be severe, resulting in revenue and profitability declines as well as lost opportunities.

For designers and engineers, locating product-related information is consistently among their most pressing concerns. Many organizations are frequently hampered in their search efforts by deficiencies in their existing systems. Sharing files on network drives does not allow for meaningful search and reuse of existing content. This difficulty is compounded as the complexity and quantity of products increases.

The classes listed teach you the basics of MCAD geometry creation and what needs to be managed to maintain the integrity of a products design information. Course work will also teach you how to navigate a PDM/PLM system, some administrative functions to manage the environment along with Project Management tools also available in most Enterprise PLM systems.
**Elective Courses – Data Analytics & Management (PLM)**

### PDM/PLM Electives

A PLM system acts as the central repository for all product information. As such, there is a “single source of truth” for all product related content such as CAD models, documents, technical illustrations, calculations, and requirement specifications. The entire history for every piece of content is recorded as well as the relationships between content so you can easily answer questions such as — “Who accessed this content?”, “What changes were made?”, and “Which products use a particular component”.

The focus of this program is on Advanced Use & Management of an Enterprise PLM System. The classes listed teach you advanced MCAD assembly creation and what needs to be managed to maintain the integrity of a product's design information. Course work will also teach advanced administrative functions to properly configure and manage the environment. Additional Project Management tools that are found in higher end Enterprise PLM systems are also taught in this program.

*Additional fees may apply for some elective courses*

### Manufacturing & Process Improvement Electives

- Lean/Six Sigma Healthcare Green Belt Certification
- Lean/Six Sigma Green Belt Certification
- Total Quality Management Certification (TQM)
- Kaizen (Process Improvement methods)
- Lean Management Certification
- Six Sigma Green Belt (DMAIC)
- Process Improvement/TQM

### Windows Server Electives

- Installation and Configuration
- Backup and Recovery
- Performance Tuning
- System Monitoring
- System Maintenance
- System Admin of PLM

### Locate & View Information

- ECAD Data Administration

### Using an Enterprise PLM System

- Engineers, Managers
- Configuration Managers

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**Project Management Electives**

- Microsoft Project Level 1
- Microsoft Project Level 2

**PLM Project Management**

- Business Administration
- User and Policy Administration
- Data and Context Administration
- Process Administration
- PLM & PLM PM Interoperability
- CAPM ® Certification Prep
- PMP ® Certification Prep

**Other**

- Project Work
- Visualization Lite
- ECAD Visualization
- Managing Design Variations
- Intro to PLM Manufacturing
- Intro to Parts Classification & Reuse
- Intro to PLM for the Implementation Team
Elective Courses – Data Analytics & Management (PLM) (continued)

Understanding the Data - Geometry Creation

Creo Elective Courses
- Creo Parametric – Fundamentals
- Creo Parametric – Productivity Tools
- Advanced Assembly Design
- Surfacing
- Freestyle Surface Design
- Interactive Surface Design
- Using Mathcad with a Parametric Modeler
- Behavioral Modeling
- Introduction to Simulation
- Manikin (Human Factors)
- Mechanism Design
- Mechanism Simulation
- Tolerance Analysis Extension Circuit Card Tutorial
- Tolerance Analysis Extension Electric Motor Tutorial
- Cabling using Parametric Modeling
- ECAD-MCAD Collaboration with Cadence
- Introduction to Schematics
- Piping Schematic Design using Routed Systems Designer
- Piping using Parametric Modeling
- Routed Systems Designer
- Turning
- Advanced Turning and Multi-task Machining
- Milling
- Mold Design
- Process for Assemblies

SolidWorks Elective Courses
- SolidWorks I - Introduction
- SolidWorks II - Advanced SolidWorks
- SolidWorks Drawings
- Advanced Part Modeling
- Advanced Assembly Modeling
- Sheetmetal
- Surfacing Essentials
- Weldments

Autodesk - Core Courses
- Autodesk Inventor – Essentials

Other
- Introduction to PLM Manufacturing
- Introduction to Parts Classification and Reuse
- Administration of Parts Classification and Reuse
- ECAD Visualization
- Visualization Lite
- Additional Project Work
Animation & Digital Marketing

Animation & Digital Marketing + SolidWorks

This program teaches you how to create Photorealistic Animations and Renderings for the advertising and marketing of industrial & commercial products. Skills taught will include 3D Parametric Solid Modeling using industry standard 3D Mechanical Computer Aided Design (MCAD) tools. You will learn to create and manipulate 3D models and import them into the world’s leading 3D rendering software utilizing SolidWorks as the core geometry creation engine. Optional electives include core training in Creo (AKA Pro/ENGINEER) and Inventor.

Core Courses

SolidWorks I - Introduction
SolidWorks II - Advanced SolidWorks
Advanced Part Modeling*
Advanced Assembly Modeling*
Sheetmetal*
Surfacing Essentials
Advanced Surfacing Using SolidWorks
Introduction to PLM for CAD Users*
Project Work

Elective Courses

Keyshot Rendering & Animation
3ds Max
Maya: Core Skills
Creo - Core Courses
  Introduction to Parametric Modeling - Fundamentals
  Introduction to Parametric Modeling - Productivity Tools
Autodesk Inventor & Revit - Core Courses
  Autodesk Inventor - Essentials
  Additional Project Work
Animation & Digital Marketing + Creo

This program teaches you how to create Photorealistic Animations and Renderings for the advertising and marketing of industrial & commercial products. Skills taught will include 3D Parametric Solid Modeling using industry standard 3D Mechanical Computer Aided Design (MCAD) tools. You will learn to create and manipulate 3D models and import them into the world’s leading 3D rendering software utilizing Creo (AKA Pro/ENGINEER) as the core geometry creation engine. Optional electives include core training in SolidWorks and Inventor.

Core Courses

- Introduction to Parametric Modeling - Fundamentals
- Introduction to Parametric Modeling - Productivity Tools
- Advanced Modeling*
- Advanced Assembly Design*
- Sheetmetal Design*
- Surfacing
- Freestyle Surface Design
- Interactive Surface Design
- Manikin (Human Factors)
- Mechanism Design
- Introduction to PLM for CAD Users*
- Project Work

Elective Courses

- Keyshot Rendering & Animation
- 3ds Max
- Maya: Core Skills

SolidWorks - Core Courses

- SolidWorks I - Introduction
- SolidWorks II - Advanced SolidWorks

Autodesk Inventor & Revit - Core Courses

- Autodesk Inventor - Essentials
- Additional Project Work
Jump Start Programs

For High School Students and recent High School Graduates Only

SolidWorks or Creo Jump Start Program

This program prepares future engineering and design students to be proficient 3D Parametric Solid Modelers using an industry standard 3D Mechanical Computer Aided Design (MCAD) tool. You will have the choice of learning SolidWorks or Creo (AKA Pro/ENGINEER).

Students will learn to create 3D models and produce drawings of mechanical parts, mechanisms and assemblies while learning standard drafting & modeling practices. Students may choose SolidWorks or Creo (Formerly Pro/Engineer) as their modeler choice.

SolidWorks Core Courses

- SolidWorks I - Introduction
- SolidWorks II - Advanced SolidWorks
- SolidWorks Drawings
- Creating 3-D Drawings

Creo Core Courses

- Introduction to Parametric Modeling - Fundamentals
- Introduction to Parametric Modeling - Productivity Tools
- Detailing
- Creating 3-D Drawings

Mathcad Courses

- Design of Experiments Using Mathcad Prime
- Mathcad Prime - Application Orientation
- Mathcad Prime - Programming Mathematical Expressions
- Mathcad Prime - Symbolics and Solving
- Using Mathcad with a Parametric Modeler
Program Job Prospects

All industries that include but are not limited to manufacturers of consumer products and capital equipment such as automation equipment, furnaces, heavy machinery, packaging equipment, medical devices, consumer products, aerospace, defense, avionics, etc.... Essentially any company that engineers, designs or manufactures its own physical products. The titles below are job positions that have traditionally required the skills being taught in our respective programs. Actual titles may vary.

Mechanical Design Applications Specialist

- Mechanical Designer
- Mechanical Drafter
- Detailer
- Draftsman
- Associate Designer
- Design Specialist

- Mechanical Designer Engineer*
- Mechanical Engineer*
- Applications Engineer*
- Packaging Engineer*
- Manufacturing Engineer*

*Engineer titles usually require a 4-year degree

Data Analytics & Management (PLM)

Possible job positions include but are not limited to title variations of

- CAD Administrator
- PDM/PLM Administrator
- PDM/PLM Manager
- Documentation Control Specialists
- Database Administrator
- Solutions Architect
- Application Deployment Architect

- Technical Support Specialists
- Configuration Support Specialists
- Change Analyst
- Engineering Systems Administrator
- PLM Coordinator
- Apparel Production System Administrator

Project Management Professional (PMP/CAPM)

Possible job positions include but are not limited to title variations of

- Associate Project Manager
- Technical Project Manager
- Engineering Project Manager
- Program Manager
- Implementation Manager

- Systems Manager
- Project Management Specialist
- PMO Manager
- Construction Project Manager
- Business Project Manager
Project Management Applications

Possible job positions include but are not limited to title variations of

- Associate Project Manager
- Technical Project Manager
- Engineering Project Manager
- Implementation Manager
- Systems Manager
- Project Management Specialist
- PMO Manager
- Construction Project Manager
- Business Project Manager
- CAD Administrator
- PDM/PLM Administrator
- PDM/PLM Manager
- Documentation Control Specialists
- Database Administrator
- Solutions Architect
- Application Deployment Architect
- Technical Support Specialists
- Configuration Support Specialists
- Engineering Systems Administrator
- PLM Coordinator

Fundament & Advanced Manufacturing

Possible job positions include but are not limited to title variations of

- Manufacturing Engineer*
- (Advanced) Manufacturing Engineer*
- Manufacturing Specialist
- Manufacturing Programmer (CNC)
- Lead Lean Specialist
- Operations Manager
- Production Manager or Supervisor
- Manufacturing Supervisor or Manager
- Production Control Specialist
- Process/Continuous Improvement
- Reliability Engineer*
- Project or Program Manager
- Quality Assurance roles
- Process Engineer*
- Industrial Engineer*
- Mechanical Engineer* or Designer
- Applications Engineer*
- Packaging Engineer*
- Tooling Process Engineer
- Production Coordinator

Animation & Digital Marketing

Possible job positions include but are not limited to title variations of

- Animator
- Motion-graphics Animator
- Freelance Animator
- Graphics Designer
- Illustrator
- Motion Effects Artist
- 3D Motion Graphics Artist
- Content Creator
- Visual Designer
- Web Designer
- CAD Technician
- UI Artist
- Industrial Designer
- Sales & Marketing Support
- Graphic Design and Marketing
- Junior Graphics Designer

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....
Requirements

All programs require a minimum of a High School Diploma (or GED).

Mechanical Design Applications

Only the minimum requirements outlined above are required.

A student with no prior drafting experience will be required to take the “Engineering Drawing & Design” elective course. Mechanical Technicians or students with equivalent technical experience where the reading, interpretation or creation of technical drawings was required may test out of this requirement but are encouraged to take the class if they have not had formal drafting training in the past.

Other skills and experience that are good fits for this program include but is not limited to people with an Engineering Degree (2 or 4 year), CAD/Drafting Certificate or experience as a Mechanical Designer, Manufacturing Engineer, Machinist, Production Floor Assembler or Drafter. Other experience may apply. Please discuss with a counselor.

Data Analytics & Management (PLM)

Minimum requirements outlined above apply. The other minimum requirement is experience where the student was generating or managing engineering data whether it be electronic or paper. Experience in a non-technical Documentation Control environment is also applicable.

Other skills and experience that are good fits for this program include but are not limited to people with a Database Administrator Background, Document Control Experience, a Computer Science Degree (2 or 4 year), an Engineering Degree (2 or 4 year), a CAD/Drafting Certificate or experience as an Engineer, Mechanical Designer, Manufacturing Engineer, Machinist, Production Floor Assembler or Drafter. Other experience may apply. Please discuss with a counselor.

Project Management Professional (PMP/CAPM)

Minimum requirements outlined above apply. Requires experience where the student was responsible for an engineering/design project or team of resources. Experience managing a non-technical environment is also applicable.

Other skills and experience that are good fits for this program include but are not limited to people with an Engineering Degree (2 or 4 year), or experience as an Engineer, Sr. Mechanical Designer, Manufacturing Engineer or other leadership role. Other experience may apply. Please discuss with a counselor.
Project Management

Minimum requirements outlined above apply. Requires experience where the student was responsible for an engineering/design project or team of resources. Experience managing a non-technical environment is also applicable. Other skills and experience that are good fits for this program include but are not limited to people with an Engineering Degree (2 or 4 year), or experience as an Engineer, Sr. Mechanical Designer, Manufacturing Engineer or other leadership role. Other experience may apply. Please discuss with a counselor.

Pre-Prerequisites are provided as a general guideline.

- Please always review with a Ve-I Counselor before making a final decision.
- All Curriculums require a minimum of a HS Diploma or GED
- All Curriculums also require a working knowledge of the Microsoft Windows 7 or higher based computer systems
- An industry standard test may be administered to verify a minimum of HS equivalency Math and English skills.

Fundamental & Advanced Manufacturing

Minimum requirements outlined above apply. Requires prior experience in manufacturing, engineering or design. Experience in a machinist or production control capacity is also applicable.

A student with no prior drafting experience will be required to take the “Engineering Drawing & Design” elective course. Mechanical Technicians or students with equivalent technical experience where the reading, interpretation or creation of technical drawings was required may test out of this requirement but are encouraged take the class if they have not had formal drafting training in the past.

Other skills and experience that are good fits for this program include but is not limited to people with an Engineering Degree (2 or 4 year), CAD/Drafting Certificate or experience as a Mechanical Designer, Manufacturing Engineer, Machinist, Production Floor Assembler or Drafter. Other experience may apply. Please discuss with a counselor.

Animation & Digital Marketing

The minimum requirements outlined above are required plus the desire to be creative!

Other skills and experience that are good fits for this program include but are not limited to people with a Sales/Marketing background, experience with CAD/Drafting, Mechanical Designers, Manufacturing Engineers, Machinists, Production Floor Assemblers or Drafters. Other experience may apply. Please discuss with a counselor.
Content & Delivery Method

Content

Lectures & Labs – Lectures & labs are interactive use of the actual application software. PLM courses use a combination of interactive live & simulated database. 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 60 Days - The maximum number of estimated course days’ worth of material. Individuals pace determines the actual time.

Attendance Window is 90 Day Max - The maximum number of workdays a student may take to finish the assigned Certificate or Diploma 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’s no penalty to take more time to “really” learn the materials.
- No minimum requirements for attendees, easy makeup days
- Training can be customized at 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 20 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)

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 (Itol) 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
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

Bojana Catovic

Client Services Manager & Recruiter
Associates in Business Management – Manchester Community College
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).

It was at Badger where 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 Marks 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 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 found in this catalog or 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. Present evidence of graduation from an approved high school (transcript with date of graduation or 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.
5. Apprise Ve-I of eligibility for Veterans Administration and other sources of financial assistance.
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 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 FOR 2020

Tuition

Tuition is due two weeks 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

- Program Price is $5,500* (~220 hours including labs and projects plus 80 hours of electives)
- 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 & GI Bill friendly!

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 Computing, Inc. refund schedule will apply, less the registration and administrative fees.

Cancellation of Enrollment Agreement

Ve-I’s goal is 100% student satisfaction. If for any reason a student is not satisfied with their training, they can ask for and receive a 100% refund of all 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) have been granted refunds will be prorated based on 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 the $1.00 ($ .99 or less) will be forfeited.

Students receiving benefits from federal programs shall be subject to 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.

**Employee Reimbursement**

Where the 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 course.

Attendance Policy

Class attendance is considered essential to academic success of students. Since there are constant learning opportunities between faculty members and students, and between students and other students within the classroom or lab, it is expected that students will attend a minimum number of in-center hours for each program in which they are enrolled. The actual number of hours per week will be based on in-center labs, exams and final projects for each program. Ve-I offers both In-Center Learning and Distance Learning options. Both require minimum in-center attendance as defined below.

In-Center Learning Options:
In general, our flexible training schedules allow for short periods of leave, absences, class cuts, tardiness, unscheduled breaks and early dismissals. Regardless of the reason for an interruption all work must be made up including labs, assessments, projects and exams. For classes delivered via traditional Instructor Led Training (ILT) attendance at the scheduled times will be mandatory. 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 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 or at a Ve-I designated testing center to be determined at the sole 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 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.

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.
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. Times to complete are also included on the work to give a prospective employer an idea of both the quality of a students work in addition to the productivity they can expect from them as an employee.

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 results of these test 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.

Projects - Projects are 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 present for final projects.

Academic Probation Definition: A warning which indicates the student may not be on track to graduate because of poor academic performance. The student may remain in the program, but his/her 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.

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 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. Project & Lab work must also be completed fully to receive a Visible Edge Institute Certificate. Other specific requirements must be met based on industry specific certifications the student chooses to take. Specific requirements for all degree, professional certificate and certificate programs are available from the Business Office.
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 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.

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.
## 2020 Program Rolling Trimester Schedule

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<tr>
<th>Start Date</th>
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<tr>
<td>January 2, 2020</td>
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<td>April 9, 2021</td>
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<tr>
<td>December 14, 2020</td>
<td>April 16, 2021</td>
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</table>

All Programs start every Monday (except holidays) and finish an average of 4 months from the start date.

Actual length will depend on program chosen, electives selected and any approved extensions.
## 2020 Holidays

<table>
<thead>
<tr>
<th>Date</th>
<th>Holiday</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>New Year’s Day (celebrated)</td>
<td>Closed</td>
</tr>
<tr>
<td>January 20&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Martin Luther King’s Birthday</td>
<td>Open</td>
</tr>
<tr>
<td>February 17&lt;sup&gt;th&lt;/sup&gt;</td>
<td>President’s Day Holiday</td>
<td>Open</td>
</tr>
<tr>
<td>May 25&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Memorial Day</td>
<td>Closed</td>
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<tr>
<td>July 3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>Independence Day Holiday</td>
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</tr>
<tr>
<td>September 7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Labor Day Holiday</td>
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<tr>
<td>October 12&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Columbus Day</td>
<td>Open</td>
</tr>
<tr>
<td>November 11&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Veteran’s Day Holiday</td>
<td>Open (optional)</td>
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<td>November 26&lt;sup&gt;th&lt;/sup&gt; &amp; 27&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Thanksgiving Holiday</td>
<td>Closed</td>
</tr>
<tr>
<td>December 24&lt;sup&gt;th&lt;/sup&gt; - 25&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Christmas Holiday Break</td>
<td>Closed</td>
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COSTS

Standard (A la Carte) Training Course Costs

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<th>Costs</th>
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<tr>
<td>Per Hour</td>
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<tr>
<td>Per Day</td>
<td>$600</td>
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<tr>
<td>Per Week</td>
<td>$3,000</td>
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</table>

*Course & Labs (No Project Work)* 
*Does not include an eLearning Subscription*

All courses listed in Ve-I programs are available to be purchased individually

Program Curriculums

The following programs are currently available through Ve-I

*Mechanical Design Applications Specialist*

*Fundamentals & Advanced Manufacturing*

*Data Analytics & Management (PLM)*

*Project Management Professional (PMP/CAPM)*

*Digital Marketing & Animation*

*Cybersecurity*

Certificate Programs

<table>
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<tr>
<th>Single Program Options</th>
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<tbody>
<tr>
<td>Configuration</td>
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</tr>
<tr>
<td>Associate</td>
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<tr>
<td>Professional</td>
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<tr>
<td>Expert</td>
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<td>Trade Act &amp; Gl</td>
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</table>

Includes all required Course, Lab, Project Work + eLearning Subscription

Additional customization available - Electives can be added or deleted @$20.00/Course Hour

"Weeks Total" values are based on 25 hours/week of course work and are rounded up

All hours are estimates. Actual time will be student dependent
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.

38 Technology Way
The Millyard Technology Park
Nashua, New Hampshire 03060
Telephone: (603) 595-1422
Fax: (603) 595-5677
Email: Ve-I@visible-edge.com
Website: www.visible-edge.com
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Revision 1

This catalog is current as of February 1st, 2020