

Automation Alley Technical Talent Development Program

Vendor-Authorized Information Technology (IT) Training and Certification Services

The Center for Professional Studies (CPS) is pleased to present this information for training and instructional services to IT companies. We believe we can add measurable improvements to these organizations by delivering high quality professional education and consulting services that adds true value.

Since 1993 CPS has trained and certified over 7,000 technical professionals at over 400 companies in multiple industry tools, techniques and methodologies. CPS also has a long experience in consulting, application and implementation of these methodologies at multiple companies in various industries. Follow this link to view our TV commercial: [TV Commercial](#)

In each of these engagements we ensured that a measurable improvement is achieved with every training or consulting event. We have found that once every participant understands the general theory behind the subject that is just the beginning. Next the students are shown multiple examples from other organizations and industries to see the many different ways this theory is applied. When application is thoroughly understood then it can be applied on a real company project to complete a true application based learning experience.

Based on a longstanding strong experience in this methodology, CPS is in a unique position to deliver its curriculum demonstrated on real company based projects. The outcome of the “training event” is not just a certificate; it is also a real company project that demonstrates the use of the subject matter.

CPS offers many programs and courses to the public and corporate community. For this particular grant we are only providing information on our Program Management offerings that specifically apply to the Information Technology grant. Follow this link to review our grant work with the long term unemployed: [White Paper](#)

Please do not hesitate to contact me with any questions regarding the details and delivery of these services.

Regards,

Daryl Patrishkoff

Daryl Patrishkoff, PMP
Chief Executive Officer
Center for Professional Studies
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248-505-7426

I General Information

Legal Business Name: CPS Polytechnic, LLC
Also Known As (AKA): Center for Professional Studies
Michigan License: Private Trade School, certificate number: [20030002](#)

CPS Direct Staff

Daryl Patrishkoff, PMP	Chief Executive Officer	dpatrish@cspoly.com
Dennis Cavitt	Managing Director	dennisc@cspoly.com
Lee Kittredge	Info Technology Manager	lee@cspoly.com

CPS Adjunct Faculty

CPS instructors are selected based on their industry knowledge, experience, education, and communications skills. CPS' faculty consists of trainers, consultants, engineers and designers who are among the most experienced and qualified in their field.

CPS Specific Program Management Based Experience

Mack Trucks, Inc. – high volume OEM production industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

MSC Software – Information Technology (IT) and software industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

CADCAMe – Information Technology (IT) and software industry

- Developed the program management system, process, tools, techniques for a John Deere engine development program in Waterloo, Iowa
- Ensured that industry standard methods were properly utilized
- Trained and certified staff in key tools, techniques and methodologies

AxleTech International – low volume OEM production industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

Quality Metal Craft – low volume production industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

Rapid Design Services – engineering services industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

Norwegian Jakes – food packaging industry

- Assessed the food processing process for efficiencies and implemented lean manufacturing and six sigma methodologies
- Led to improvement in operational output and quality
- Trained and certified staff in key tools, techniques and methodologies

Arbor Plastic Technologies (APT) – customized production plastic resin industry

- Assessed the product development process, tools, techniques and personnel for efficiencies and outlined a path to improvement
- Designed, developed and implemented a customized Global Program Management system to be implemented throughout the operation
- Trained and certified staff in key tools, techniques and methodologies

American Natural Gas Alliance (ANGA) – natural gas industry

- Developed the program management system, process, tools, techniques for development of 4 production passenger bi-fuel vehicles
- Managed program from concept, design, engineering, build, test and validation
- Trained and certified staff in key tools, techniques and methodologies

II Statement of Objectives

A. Courses Descriptions

Standard Course Methodology Utilized in all Courses

Lectures

- Outlining the theory and accepted standardized methodology
- PDF file of lecture material is provided for the students personal use
- Lecture note outlines provided to help the student capture personal notes

Specific Industry Examples

- Real life industry examples that detail the application of the standard
- Demonstrate how different companies apply these tools and techniques
- Discussion on how company cultures dictate the application of the standard

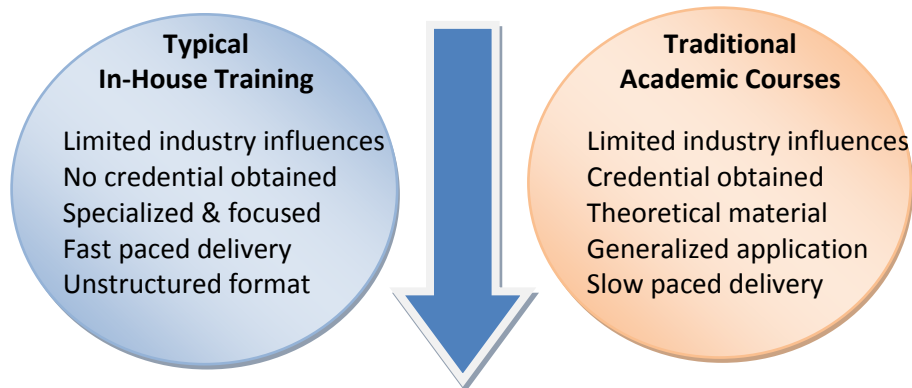
In-Class Assignments

- Student will conduct projects that outline each key principal of the standard
- These projects increase in complexity as the students further develop their skills
- Students will present their work to the group for review and discussion
- Detailed discussion regarding each project and how it meets the standard

Specific Company Application

- Projects that apply these tools and techniques on specific company projects
- Build a standard methodology for appropriate application at the operation

Center for Professional Studies



Up to date industry input from industry experts
Relevant perspective of subject application
Small, fast paced, specialized, efficient and focused
Licensed Vocation School with the State of Michigan
Approved training provider with multi industry based firms
Flexible training schedules and locations
Student assessment, evaluation and certification

Program Management[Syllabus](#)

Contact hours: 40 hours

Maximum: 20 students

Prerequisite: Experience working on projects

Audience: IT Designer, IT Engineer, IT Manager, IT Data Manager

This course focuses on every key element outlined in Project Management Institutes (PMI) Project Management Body of Knowledge (PMBOK) in detail demonstrating how to apply them in multiple industries. Several program management driven organizations standardized processes are reviewed demonstrating the value of a robust standardized system. At the completion of this course the participant will have a detailed understanding of how to set up and maintain a proper program to ensure delivery of the stated scope, time, cost and quality targets.

PMP Exam Preparation[Syllabus](#)

Contact hours: 40 hours

Maximum: 20 students

Prerequisite: Program Management course or documented project experience

Audience: IT Designer, IT Engineer, IT Manager, IT Data Manager

This course focuses on Project Management Institutes (PMI) Project Management Professional (PMP) certification requirements, application process and certification test. At the completion of this course the participant will have a detailed understanding of all elements of the Project Management Body of Knowledge (PMBOK®) with industry examples, test questions and hands-on application. Student individual applications will be created for the PMP certification which is used to apply to PMI to take the PMP certification test. At the completion of this course the participant will have a detailed understanding of how to apply, study and understanding of the types of test questions to pass the PMP exam.

Program Management Planning Practitioner Certification[Syllabus](#)

Contact hours: 40 hours

Maximum: 20 students

Prerequisite: PMP, Program Management course or documented project experience

Audience: IT Designer, IT Engineer, IT Manager, IT Data Manager

Program Management focuses on the professional who manages complex programs from concept, design, validation, launch and continuous improvement stages of development. One of the key elements of a successful program is the development of a detailed Program Plan. This course focuses on hands-on application of developing a real company sponsored Program Plan:

- Approved company sponsored program
- PMBOK® process and knowledge groups addressed in detail
- Pass CPS Program Management Certification Test
- Review program plan with company sponsor for approval
- Submit company approved Program Plan for CPS Practitioner Certification

B. Instructional Staff for Program Management Courses

Daryl Patrishkoff, PMP

[Comcast Newsmakers](#)

Daryl is the CEO of the Center for Professional Studies and a proven executive with hands-on technical experience in delivering highly engineered vehicle programs for both domestic and international clients. His strengths have been developed over years of executing engineering programs at every job classification.

In 1998 he founded DP Technical Services to improve organization's operational Program Management processes that reach from the front office to the plant floor. He has worked with multiple domestic and international OEM's and suppliers in the automotive, Information Technology, software, military, agricultural, on-highway and off-highway industries. He has also performed operational and market analysis for several Venture Capital groups in acquisition due diligence and operational improvements.

Having over 30 years of professional experience Daryl has held various executive, managerial and technical positions as indicated below:

- Chief Executive Officer – Center for Professional Studies
- Principal and Owner – DP Technical Services
- Arbor Plastic Technologies – Active Investor and Advisory Board Member
- Adjunct Professor – Central Michigan University
- Vice President Global Product Development – AxleTech International
- Vice President Technical Services – Rapid Design Services
- Vice President Engineering – Modern Engineering
- Managing Director – Modern Engineering GmbH in Germany
- Senior Product Design Engineer – General Motors

In the past 14 years Daryl has trained and certified over 300 technical professionals in multiple global companies in various industries in Program Management methodologies. He is a multi industry expert in implementing the Project Management Institutes' (PMI) tools, techniques and methodologies to the organizations specific requirements.

Daryl has authored and copyrighted many technical training manuals, data analysis, technical papers and articles on various design and manufacturing topics. He has led numerous in-house and publicly offered training seminars and delivered technical speeches at the Society of Automotive Engineers, American Society of Body Engineers, Automation Alley, Central Michigan University and various engineering conferences.

He is a member of the curriculum advisory board for Central Michigan University in their Vehicle Engineering Design Technology Bachelor and Master Degree programs. He has also participated in the development of CMU's BS certification test for graduates.

Daryl has a Bachelors degree from Wayne State University and a Masters degree from Central Michigan University. His is also a certified Project Management Professional (PMP) from the Project Management Institute.

C. Laboratory Facilities and Training Aids for Instruction

Headquarters

Center for Professional Studies
811 West Square Lake Road
Troy, Michigan 48098

Training Center

MSU Management Education Center
811 West Square Lake Road
Troy, Michigan 48098

Other Training Centers

CPS has agreements with multiple companies throughout the Metro Detroit area that allow us to utilize their facilities to conduct training. Essentially we can set up a class at multiple locations to be conveniently located to our customers and students.

D. Licensure for Delivery of Training

[License](#)

CPS is a Michigan based licensed vocational training institute (Number 20030002) that provides world class certified technical education. Our courses are constantly being updated to keep pace with the ever changing trends which are monitored by a multi-industry represented curriculum board. Our methodology is a fast paced, hands-on approach which covers theory, industry application, then demonstrates them on real life projects.

E. Scheduling Courses

CPS will create a customized schedule that meets the needs of the company and students. We will instruct during the day, evening, weekends and off site to ensure all of these needs are met.

F. Optional: New and Customized Courses

We are continually updating and creating industry driven courses and curriculum based on market demands. In the Program Management area we teach all relevant versions of the Project Management Body of Knowledge (PMBOK) which is the standard created and maintained by the Project Management Institute (PMI).

CPS will invest in curriculum development and create new courses as market demands dictate and will not charge for this service. CPS would own the Intellectual Property and add it to our list of courses, then offer them to the marketplace.

When a new course is in consideration we follow our internal CPS process to define, create and approve the specific curriculum for the desired course. We utilize our Curriculum Advisory Board to review the syllabus and ensure it matches the market's needs and expectation. When the first class is conducted it is under strict review to ensure it meets the stated goals and objectives outlined by the Curriculum Advisory Board. Any changes, improvements and upgrades will be made based on our course evaluation tools, technique and methods.

G. References

Kurt Saldana 734-261-6700 President, Quality Metal Craft

CPS has been working with Quality Metal Craft since 2007 to assess processes and personnel as they diversify their business and enter new markets. We created a detailed current state, identified gaps, developed a detailed implementation plan and then trained and implemented key tools, techniques and methodologies. We have consulted and trained in these key areas: Program Management, Lean Six Sigma, Dimensional Analysis, APQP, FMEA, PPAP, ISO 9000, TS 16949 and Lean Manufacturing.

Dan Caton 248-953-9059 Chief Executive Officer, Arbor Plastics Technology

CPS has been working with APT since 2010 to set up and assess current processes as they add and develop business in this new startup company. We work specifically on setting up and managing their Program Management system and methodologies as they develop new products and services to their customer base. We have consulted and trained in these key areas: Program Management, Lean Six Sigma, Lean Manufacturing, APQP, FMEA, PPAP, ISO 9000, TS 16949, Sales and Marketing.

Matt Karrandja 248-641-1021 Executive Director, Career Ministries of Michigan

CPS has been working with Career Ministries of Michigan since 2008 to help this group of unemployed technical professionals assess their personal skills and create a path to certification that will lead to employment quickly. We work specifically by speaking at events, conducting seminars, consulting with individuals, training and introducing them to the 50 plus hiring companies we have identified. We have consulted and trained in these key areas: Program Management, PMP Exam Preparation, Lean Six Sigma, CAD, CAE, Lean Manufacturing, APQP, FMEA, PPAP, Root Cause Analysis, Alternative Energy, TQM and Technical Communication.

Other Corporate References

Company Stories

Randall DeMorris	VP of Human Resources	AxleTech International
Kent Niederhofer	President	Ricardo
Ed Vallis	General Manager	Utica Enterprises
Jerry Baldwin	Director	EDAG
Angela Harvey	Director of Human Resources	Piston Group
John Willis	Operations	US Manufacturing

Governmental References

John Almstadt	Director	Oakland Workforce Development Board
Dorothy Kaltz	Program Manager	Oakland Workforce Development Board
Lisa Straske	Lead Case Worker	Southfield Career Center
Jennifer Liewellyn	Manager	Troy Career Center
William Sleight	Director	Livingston County Michigan Works
Cynthia Collins	Services Specialist	Macomb Community College

Student References

Student Stories

Many students have written testimonials on how our training has helped them get off long term unemployment and back into the workforce. Our placement rate is over 95%.