



the cad academy®

Pre-Engineering/Architecture Program

the cad academy®

Edition No. 3

Students turning ideas into working products!

The CAD Academy was created to prepare students for advanced education and the job opportunities of the new design economy.

Partners: SolidWorks + Bentley Systems + Graphisoft + Blender + Discovery Channel + Cengage Learning + Great Lakes Press + Ten80 Education + Geometric + SolidProfessor + Inspirtech + Gears Education Systems + HAAS Technical Centers + Ace Mentor Program of America + Canon USA



www.thecadacademy.com

Instructor Training

Overview of The CAD Academy

The CAD Academy is more than industry-leading 3D design software, certification programs and curriculum. It is instructor training! To ensure successful implementation of The CAD Academy Academic Programs we offer an instructor led 2 Day Certified to Teach The CAD Academy Instructor Training Program. This training will

provide instructors with an overview of The CAD Academy learning resources, basic to advanced software training and ADDA Industry Instructor Certification program review. Participating instructors will receive a Certified to Teach The CAD Academy certificate of completion. The CAD Academy also offers (1 Day) software specific instructor training and a (2 Day) ADDA Instructor Certification Exam Preparation training schedule for Mechanical, Architectural, Civil and General CAD.

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EDITION NO. 3

The CAD Academy Edition No. 3 features industry leading 3D engineering, architectural and related design software titles; curriculum which maps to state and federal standards; green + sustainable design tools and learning resources; instructor training + student certification programs. Today's student must be able to compete in a global market where sustainability regulation will govern design. The CAD Academy was created to prepare students for advanced education and the job opportunities of the new design economy.



SUSTAINABLE DESIGN

Sustainable Design will account for an estimated 4 million jobs in the United States by 2012. Green regulation is impacting and will continue to impact design decisions as it relates to energy performance, material selection and manufacture location. The CAD Academy is committed to preparing students for the new design economy where green and sustainable design is center stage. This is accomplished by providing a green and sustainable design suite of resources used by leading industry professionals the world over for building + manufacturing industries.

Programs:
SolidWorks Sustainability Express +
Graphisoft EcoDesigner +
Bentley Hevacomp*



CERTIFICATION

The CAD Academy certification programs provide academic institutions with a proven methodology for effective measurement of program, instructor and student industry competencies. Academic program tracks for mechanical, architecture and civil prepare students for industry and software certification. The CAD Academy enables students to develop a digital portfolio to include: resume, certifications, design projects and research completed. Open the doors of opportunity for your students today with The CAD Academy.

Industry Certification:
ADDA Industry Certification for
Mechanical, Architecture, Civil +
General CAD.

Software Certification:
SolidWorks CSWA + MicroStation +
ArchiCAD



MECHANICAL ENGINEERING

Everything in our man-made world has a carbon footprint association. Green regulation is impacting and will continue to impact design decisions as it relates to manufacturing. SolidWorks is more than the industry leading 3D mechanical design software it is leading the sustainability movement as it relates to mechanical design with Sustainability Xpress. Sustainable design is more than blue skies, clear streams and green fields it is JOBS! Prepare your students today with The CAD Academy.

Programs:
SolidWorks + SolidWorks
Sustainability Express



ARCHITECTURAL DESIGN

Sustainable design is the philosophy of designing physical objects, the built environment and services to comply with the principles of economic, social, and ecological sustainability. ArchiCAD is the most powerful BIM solution available for architects and now features EcoDesigner. EcoDesigner provides invaluable feedback on the energy performance of buildings so designers can make educated decisions on energy efficiencies and conformity to regulations. Give your students a competitive edge as they learn how to deliver simpler, smarter and more sustainable designs with The CAD Academy.

Programs:
Graphisoft ArchiCAD + EcoDesigner,
Bentley PowerBIM + Hevacomp*



CIVIL ENGINEERING

Civil engineering solutions learning is simplified with Learn Server from the Bentley Institute. Learn Server featuring a blended learning approach allows you to prepare civil engineering students to succeed with the software and resources used by The United States Academy at West Point to prepare cadets for advancement into the Army Core of Engineers. Bentley software is the standard the Army Core of Engineers and 47 of 50 State Department of Transportation. Bentley software is used to create airports, rail terminals, subdivisions, urban complexes, parks, campuses, golf courses, dams, drainage, utility, floodplain projects, commercial buildings, plant and manufacturing sites the world over.

Programs:
Bentley MicroStation, PowerCivil,
PowerMap*

*Included with Post-Secondary Program

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In Network Benefits Program

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Schools will be considered "In Network" for a 12 month term from their initial purchase or program update. We are not referring to this program as subscription as our program is perpetual. In Network benefits will include access to (4) portals: STUDENT, SCHOOL, INSTRUCTOR and TCA COMMUNITY.

STUDENT Portal Includes: Student Software Downloads, Basic Software Tutorials, Internship Opportunities, Student Design Competitions + Student Portfolio Developer

SCHOOL Portal Includes: Software Title Downloads and Curriculum Updates on Demand

- * INSTRUCTOR Portal Includes: Installation + Curriculum Guides, Software Quick Starts and more
- * TCA Community Portal: Subscribers will receive key trick and tips from our experts and be able to post questions for our program development team to answer
- * All TCA schools will have access to these resources (IN & OUT of Network)

Learn Server from the Bentley Institute

to be added for Edition No. 3 for both K-12 + Post-Secondary programs.

Bentley Learn Server enables instructors to effectively teach civil engineering + sustainable design using Bentley solutions. Learn Server features a continuous, self-paced, blended learning approach which enables instructors to prepare civil engineering students to succeed with the software and resources used by professionals worldwide.



Test Drive Series

The CAD Academy performs upon request a (6 hour) instructor-led training workshop at your school via our Test Drive Series. Test Drive Series includes a complete program overview and (2) of the below listed tracks:

- Mechanical featuring SolidWorks + Sustainability Express
- Architecture featuring ArchiCAD + EcoDesigner
- Civil featuring Microstation + PowerCivil
- General CAD featuring A+CAD
- Sustainable Design featuring Sustainability Express + EcoDesigner + Bentley Hevacomp

Schedule a Test Drive today at www.thecadacademy.com



System Requirements:

Microsoft Windows XP or Vista
Intel Pentium 4 Processor (or better)
1 GB of RAM (minimum) XP
2 GB of RAM (minimum) Vista



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