Autodesk® User Certification: Funding, Implementing, and Benefits for Your School

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Class Summary

- Education programs across the United States equip students with marketable 2D and 3D design skills by teaching them to use state-of-the-art Autodesk® design software. Autodesk Certified User certification confirms students have the skills necessary to continue their design careers—whether they attend college, enter the workforce or work toward additional levels of industry certification after graduation. AutoCAD® Certified User, Autodesk Inventor® Certified User, and Autodesk® Revit® Architecture Certified User certifications include both academic and industry requirements in attainable certifications designed specifically for students. Autodesk Certified User certificates enhance student college applications and résumés, providing evidence of competency and proficiency. Earning Autodesk Certified User certifications while in school gives students confidence as they continue to master Autodesk products and pursue Autodesk Professional Certification in the future.
Learning Objectives

At the end of this class, you will be able to:

- Explain Autodesk certification strategies
- Leverage Autodesk certification to secure student outcomes and comply to Perkins funding accountability requirements
- List the steps for implementing Autodesk certification and develop a plan to integrate certification into the classroom
- Review the resources currently available to help you prepare for Autodesk certification
Class Agenda

- Autodesk Certification Strategies
- Benefits of Autodesk Certification for Your School
- Implementing Autodesk Certification in the Classroom
- Autodesk Certification Delivery
- Perkins Funding
- Autodesk Certification Exam Prep Resources
Autodesk Certification Strategies
Autodesk’s Approach

- Reinforce the concepts critical to industry
- Enable learning through innovative technology
- Help students take a proactive role in their education
Autodesk Certification Program

2012 software users

- Certified Professional
- Certified Associate

2013 software users

- Certified Professional
  - NEW: Enhanced scope
- Certified User
  - NEW: Enhanced scope

Intermediate/prof level skills

Job entry level skills
Autodesk Certification Exams

**Certified User**
- 30 questions per exam
- Multiple forms
- 33% simulation, 33% multiple-choice, 33% rich item types

**Certified Professional**
- 35 questions per exam
- Multiple forms
- Weight: 60% performance-based
- 40% multiple choice
## Autodesk Certified User Exams

<table>
<thead>
<tr>
<th>Software</th>
<th>English</th>
<th>Latin American</th>
<th>Brazilian Portuguese</th>
<th>Korean</th>
</tr>
</thead>
<tbody>
<tr>
<td>AutoCAD</td>
<td>October 2012</td>
<td>January 2013</td>
<td>January 2013</td>
<td>January 2013</td>
</tr>
<tr>
<td>Inventor</td>
<td>October 2012</td>
<td>January 2013</td>
<td>January 2013</td>
<td>January 2013</td>
</tr>
<tr>
<td>Revit Architecture</td>
<td>February 2013</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</table>
Benefits of Autodesk Certification for Your School
Certified User Program Benchmarks
Skills and Supports Grant Funding

- Helps fulfill academic and industry requirements
- Helps validate student skills and abilities
- Enables hands-on learning and on-site certification
- Provides simple, affordable testing options
- Certiport Centers provide access to tests and solutions
Certification for Academic Partners

**Schools**
- Provide globally recognized industry level exams to students
- Add value to the current Autodesk offerings provided to the students
- Complete certification solution available at an affordable academic price
- Learning and certification support career pathways:
  - Architecture and construction
  - Manufacturing
  - Science, technology, engineering, art and math (STEAM)
- Certify teachers for free*
- Help launch academic or professional careers for students

**Students**
- Earn the same credential as working professionals
- Differentiate themselves in a competitive job market or college application
- Add value to their resume by leveraging the Autodesk brand
- Earn an industry credential
- Thrive with continuous skill building
- Portable certification credential

*Contact Certiport for offers in your region
## Student Outcomes - Florida Career Academies

<table>
<thead>
<tr>
<th>Performance Indicator</th>
<th>Non-CAPE</th>
<th>CAPE, No Certification</th>
<th>CAPE + Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average GPA</td>
<td>2.53</td>
<td>2.60</td>
<td>3.03</td>
</tr>
<tr>
<td>Chronically Absent</td>
<td>15.5%</td>
<td>12.3%</td>
<td>11.6%</td>
</tr>
<tr>
<td>At Least One Disciplinary Action</td>
<td>21.6%</td>
<td>21.2%</td>
<td>10.0%</td>
</tr>
<tr>
<td>Dropout Rate</td>
<td>2.4%</td>
<td>1.4%</td>
<td>0.1%</td>
</tr>
<tr>
<td>12th Graders Earning Standard Diploma</td>
<td>66.5%</td>
<td>76.7%</td>
<td>94.0%</td>
</tr>
<tr>
<td>At Least One Accelerated Course</td>
<td>17.7%</td>
<td>19.0%</td>
<td>30.5%</td>
</tr>
<tr>
<td>Bright Futures Eligible Seniors</td>
<td>39.1%</td>
<td>24.5%</td>
<td>47.1%</td>
</tr>
<tr>
<td>2007-08 Graduates Enrolling in Postsecondary Fall 2008</td>
<td>67.2%</td>
<td>57.9%</td>
<td>70.2%</td>
</tr>
<tr>
<td>2007-08 Graduates Found Employed Fall 2008</td>
<td>48.4%</td>
<td>45.5%</td>
<td>58.0%</td>
</tr>
</tbody>
</table>

Source: Florida Dept of Education, 2010
"Autodesk software is used heavily in the engineering industry, and I want my students to know it well so they can jump right into a job without the employer needing to train them."

– Jennifer Hohne, Engineering Instructor

**Challenge**
- Show students have the software skills to help them get a job with no re-training

**Solution**
- Partner with Certiport to offer Autodesk Certified User certification

**Results**
- Teaching industry skills to prepare students for the workforce
- Credential valued by advanced education facilities and local and global employers
- Program to validate leading engineering software skills
Implementing Autodesk Certification in the Classroom
Implementing Autodesk Certification

Skills & Digital Study Packets

- The Skills & Digital Study Packets in the Digital STEAM Workshop curriculum map to the Certified User exams.

- The **Skills** standardize the core competencies for fundamental-level instruction for a two-semester class.

- New learning content is built on the **Skills**.

- The **Digital Study Packets** are a reference guide of short procedural videos to reinforce the basic software skills needed for project-based learning.

- Reflects valuable input from respected educators and designers.
Implementing Autodesk Certification

Skills & Digital Study Packets

- Use the Digital STEAM Workshop Skills, Digital Study Packets, and projects as free tools to supplement your classroom materials.

- Students can test their software knowledge by taking a Test Your Skills quiz.
Autodesk Certification Delivery
Exam Delivery

- Delivered by Certiport
- No fee for schools to join
- Purchase by unlimited yearly site license or smaller packs
- Site license purchase provides for unlimited practice and certification testing by students (by lab and school)
Grading and Feedback

- Candidates receive immediate score results listing status and score
- Candidates can view online digital transcripts and print certificates
- Feedback includes missed items with mapping to objectives
- Schools can print and review results
Certification Center Details

- Most schools can meet technical requirements
- Schools can deliver testing when it’s convenient for them
- Teachers can pre-register students via upload
- Teachers will be fully trained by Certiport to deliver tests
- Reporting available at lab, school, and district level

<table>
<thead>
<tr>
<th>Item</th>
<th>Required</th>
</tr>
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<tbody>
<tr>
<td>Processor</td>
<td>Pentium® 4 1 GHz or better</td>
</tr>
<tr>
<td>RAM</td>
<td>MOS 2007 &amp; 2010 = 1GB, MOS 2003, Critical Thinking, and 1GB = 512MB</td>
</tr>
<tr>
<td>Complete local administrator rights (no group policies)</td>
<td>Yes</td>
</tr>
<tr>
<td>OS, Office Suits, My Documents, My Pictures and all folders must be installed on &quot;C:&quot; drive.</td>
<td>Yes</td>
</tr>
<tr>
<td>Hard Drive: Free Space (after Office and Windows install)</td>
<td>5GB</td>
</tr>
<tr>
<td>Keyboard &amp; Mouse (pointing device)</td>
<td>Yes</td>
</tr>
<tr>
<td>Minimum Video Resolution</td>
<td>1024 x 768</td>
</tr>
<tr>
<td>Color Depth</td>
<td>16 Bit or Higher</td>
</tr>
<tr>
<td>Display Properties</td>
<td>96 DPI only</td>
</tr>
<tr>
<td>Minimum Monitor Size</td>
<td>17&quot;</td>
</tr>
<tr>
<td>200 KBPS or DSL Internet connection speed or greater (click here to test your bandwidth)</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Becoming a Certification Center

- **Application Process**
  Contact an Autodesk Value Added Reseller (AVAR) or Certiport
  [www.autodesk.com/avar](http://www.autodesk.com/avar) or [AutodeskInfo@certiport.com](mailto:AutodeskInfo@certiport.com)

- **Purchasing Exams**
  Schools who become certification centers can purchase site license or exams from an AVAR or Certiport

- **Purchasing Training Guides**
  Purchase Autodesk Official Training Guides from an AVAR
Perkins Funding
Perkins Career & Technical Education Funding

- Federal act established funds to improve career-technical education programs to prepare students for high-skill, high-wage, high-demand occupations in the 21st century global economy, integrate academic and career-technical instruction, serve special populations, and meet gender equity needs.

- Eligible institutions offer career and technical education programs that meet Federal requirements for program size, scope, and quality.
Perkins Funding Requirements

- State and local programs are required to report on performance indicators for Secondary students. These indicators include:

  1) Student attainment of career and technical skill proficiencies, including student achievement on technical assessments, that are aligned with industry recognized standards, if available and appropriate.
  2) Student rates of attainment of a proficiency credential, certificate, or degree, in conjunction with a secondary school diploma.

- Autodesk offers an industry-recognized certification program which can help schools meet accountability requirements for Perkins funding.
Autodesk Certification Exam Prep Resources
Certification Exam Prep Resources

Digital STEAM Workshop

- Highly visual web-based curriculum portal that offers a new approach to teaching design, sustainability, and creative problem solving
- Covers exam objectives
- Includes Skills, Digital Study Packets, and projects
- Leverages the Design Thinking process
- Makes industry connections
- Awarded the ISTE Seal of Alignment
- It's free!
- Go to www.autodesk.com/digitalsteam
Certification Exam Prep Resources

Practice Tests

- Covers exam objectives
- Published by Gmetrix
- Teachers can select questions to create "custom" tests
- Schools can use the practice tests to:
  - Assess student skills
  - Help students learn how to take the test
  - Check student progress
  - Re-test after going through Exam Prep Resources

- Go to http://www.measureup.com/Autodesk-Certified-User-Practice-Test--P3142.aspx
Certification Exam Prep Resources

Autodesk Official Training Guides (AOTG)

- Covers exam objectives
- Published by Ascent & Wiley
- Used by Authorized Training Centers
- Purchase from the publishers web sites, Amazon, or bookstores
- Available for
  - AutoCAD®
  - Autodesk® Inventor®
  - Autodesk® Revit® Architecture
  - AutoCAD® Civil 3D®
  - Autodesk® 3ds Max®
  - Autodesk® Maya®
Certification Exam Prep Resources

e-Learning
  ▪ Covers exam objectives
  ▪ Offered by
    ASCENT
    CAD Learning
    Global eTraining
  ▪ Register on the Education Community and receive a discount
  ▪ For more information, visit
    http://students.autodesk.com/?nd=learning_center
Free Software on the Education Community

- Students and faculty can download free* software for personal use for education purposes
- 40+ titles available including:
  - AutoCAD®
  - Autodesk® Inventor®
  - Autodesk® Revit® Architecture
  - AutoCAD® Civil 3D®
  - Autodesk® 3ds Max®
  - Autodesk® Maya®
- 3 year licenses are watermarked
- ESD only
- Go to [http://students.autodesk.com/](http://students.autodesk.com/)

*Free products are subject to the terms and conditions of the end-user license and services agreement that accompanies the software.
Autodesk Software Suites for Secondary Schools

Educational Licenses for Institutions

- Sold worldwide
- In China, India, and a few Emerging Markets countries, free licenses are provided to educational institutions through the ARC portal (Autodesk Resource Center)
- ESD only
- Contact an Autodesk Value Added Reseller (AVAR) at www.autodesk.com/avar

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<thead>
<tr>
<th>Title</th>
<th>Target Audience</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autodesk® Entertainment Creation Suite 2013</td>
<td>Game Design, Film &amp; Entertainment</td>
<td>Maya, 3ds Max</td>
</tr>
<tr>
<td>Autodesk® Design Academy 2013</td>
<td>Architecture, Engineering, and Design</td>
<td>AutoCAD, Inventor</td>
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