

SUCCESS STORY

GERMAN-JORDANIAN UNIVERSITY HELPS STUDENTS VALIDATE PROFESSIONAL LEVEL AUTODESK SKILLS

CHALLENGE

German-Jordanian University (GJU) is a public university founded in 2005 in Amman, Jordan. GJU is funded by the Federal Ministry of Education and Research and is modeled after the German applied-sciences universities, characterized by a focus on putting knowledge into practice.

GJU offers more than 20 programs to a student body of 5,000 with an objective to prepare highly skilled graduates with relevant knowledge of their industry.



The GJU School of Applied Technical Sciences (SATS) offers three undergraduate programs to almost 800 students with a focus on applied learning. Graduates of SATS are expected to fill the gap in the Jordanian and the regional markets in

critically needed disciplines concerning technology transfer, innovation, and management. "SATS graduates are prepared for the international workforce and we want to give them proof they have mastered the skills in their field of choice," said Dr. Ziyad Masoud, Dean of SATS. "At GJU, we focus on applied learning, which means our students are not just studying – they are practicing their skills and using them in a real world setting."

Recently, Dr. Masoud and his colleagues at SATS sought to improve the amount of applied learning in their design engineering program. They looked for an industry partner to help them strengthen their curriculum and validate student engineering design technology skills.

SOLUTION

Omniplan, an Autodesk Academic Partner, Autodesk Authorized Training and Certification Centre in Jordan, approached SATS about utilizing Autodesk in their curriculum, the leader in 3D design, engineering and entertainment software worldwide.

SATS agreed to partner with Omniplan to improve their curriculum and give students in their AutoCAD courses an industry-recognized certification.

GERMAN-JORDANIAN UNIVERSITY



الجامعة الألمانية الأردنية
German Jordanian University

LOCATION:

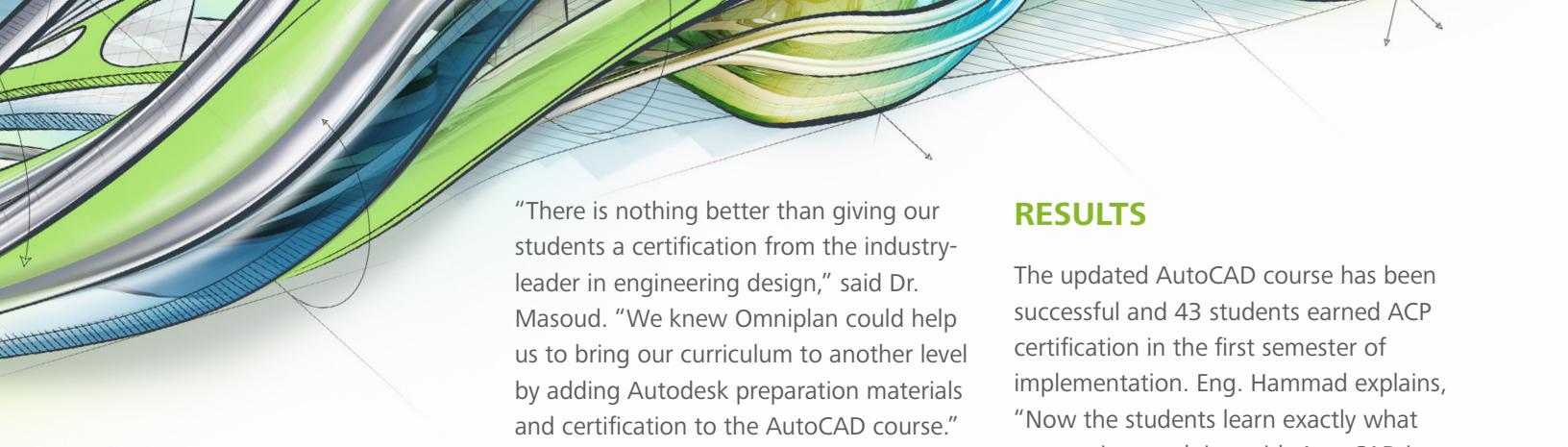
Amman, Jordan

PROGRAM ENROLLMENT:

- 800 students per year

SUCCESS METRICS:

- Motivates students to master advanced computer aided engineering skills.
- Prepares students with a professional-level certification
- Validates in-demand technology skills



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Dr. Masoud



"There is nothing better than giving our students a certification from the industry-leader in engineering design," said Dr. Masoud. "We knew Omniplan could help us to bring our curriculum to another level by adding Autodesk preparation materials and certification to the AutoCAD course."

AutoCAD Certified Professional (ACP) is a professional-level certification offered by Certiport for those who have more advanced skills and can solve complex challenges using AutoCAD software. Omniplan helped SATS to implement ACP certification by training their instructors and helping update their curriculum. SATS also became a Certiport Authorized Testing Center quickly to begin offering the ACP exams to students.

By adjusting their AutoCAD course curriculum to meet the ACP exam objectives, SATS and Omniplan created a program that gives students the most up-to-date industry skills available.

"Our course was good, but tying it directly to ACP allows us to keep our students' skills current as technology changes rapidly," said Eng. Ahmad Hammad, Lecturer in Mechanical and Maintenance Engineering Department.

SATS created a local exam parallel to ACP to help prepare students and to encourage them to enroll to take the ACP certification as part of their midterm exam. Their grade in the course correlates with how they perform on the ACP exam, motivating students to study and pass the certification.

RESULTS

The updated AutoCAD course has been successful and 43 students earned ACP certification in the first semester of implementation. Eng. Hammad explains, "Now the students learn exactly what companies are doing with AutoCAD in industry, and they master these skills before they graduate. They graduate with a professional-level certification that shows they are ready to take a job and be productive from the start."



SATS has found that ACP certification not only prepares students for the workforce, it also motivates them to succeed.

"Students want to pass the ACP, so they study harder and they master the AutoCAD program and its deep details more than they were before," said Eng. Hammad. During their fourth year, SATS students study in Germany where they also conduct 20 weeks of a practical internship. ACP certification increases their competitiveness to get internship opportunities.

"Not only are the ACP certified students winning internships overseas, the local engineering firms in our region are starting to pay attention to them as well," said Dr. Masoud. Next SATS plans to implement Inventor and Fusion 360 ACP exams.

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