



AUTOCAD

LEARNING WITH TECH



WHAT'S GOOD

- Ease of use
- Pre-existing simple shapes and patterns
- Auto-documents the process (paper trail)
- Ability to edit designs

WHAT'S A CHALLENGE

- Items drawn may not be manufacturable
- Designing complex shapes and patterns
- Digital design takes more time than sketching

PLATFORM:



LEARNING WITH TECH CATEGORY:



Create

COST: Student/Educator licenses available for purchase. Available to use at no cost in some [computer labs](#) on campus.

WHAT IS IT?

AutoCAD is a drafting software program used in a variety of industries. It is used for developing 2D and 3D computer aided design (CAD) and drafting models. Professionals who use AutoCAD can sometimes be referred to as drafters.

WHAT IS IT FOR?

AutoCAD is used in mostly in engineering, architecture, construction and manufacturing. It is a key program for building, designing and creating blueprints or engineering plans. More specifically it can be used to create things like model bridges, mechanical devices, residential or commercial buildings or even computer chips. Other industries, like fashion, have tapped into its usefulness in creating intricate patterns, designs or even in the development of objects such as gem stones.

HOW CAN I USE IT IN EDUCATION?

Depending upon which faculty you are in, you may not yet be at the place that you are using CAD software or even full on designing working prototypes. However, you probably are at the place that you will be learning to develop those things at some point during your academic career.

Computer aided design software has become a vital tool for people in a variety of fields such as architecture, engineering, and graphic design. However, the applications go way beyond that. As an industrial design tool to create working prototypes is invaluable to manufacturing and industrial organisations.

TRAINING & SUPPORT RESOURCES:

[**Lynda.com – AutoCAD**](#)

A large section of videos dedicated to AutoCAD that cover all skill levels from beginner to advanced.

[**YouTube – AutoCAD**](#)

A YouTube channel dedicated to the full guide tutorials for various versions of AutoCAD from Autodesk.

[**Autodesk – Support**](#)

A knowledge network set up to help answer various questions about AutoCAD and other Autodesk products.



Queensland University
of Technology