

# Computing Applications

## CAD/CAM

This course is designed for students seeking to develop advanced skills in Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) programs. Almost all design today is done through CAD and any designer base career would be enhanced by knowledge and skills in this area.

The course will be particularly valuable for those students who are also studying practical, technology based courses such as Manufacturing & Engineering, Construction and Furniture Making and are considering employment in these areas.

### Computing Applications - CAD/CAM

<b>Course Hours</b>	240 hours
<b>Course Type</b>	Board Endorsed
<b>Duration</b>	2 years
<b>Unit Value</b>	2 unit Preliminary & 2 unit HSC

### ASSESSMENT

Please note, students in this HSC Content Endorsed Course will NOT be required to sit a HSC exam. This course is assessed by the College and will appear on the Higher School Certificate as Computing Applications.

### FURTHER STUDY

Certificate IV in Architectural Technology, Qualifications in the Manufacturing and Engineering Training Package.

### CAREER PATHWAYS

Architectural Designer, Design Engineer, Draftsman, Operator / Manager of CNC workshop

### Topics Studied Include...

Students will utilise powerful Industry-based 2D and 3D modelling programs to design a range of industrial and architectural products and then export these designs to our range of state of the art CNC machining centres including;

- 3D printing
- 2 axis CNC lathe
- 4 axis vertical CNC machining centre
- CNC plasma cutting plant
- 2 axis woodworking point to point borer
- Laser cutting

The course also covers general computer applications and numeracy skills.



To find out more scan the QR code to visit [newmancollege.edu.au/live/courses/computing-applications](https://www.newmancollege.edu.au/live/courses/computing-applications)



For information on subject-specific costs scan the QR code to visit [newman.nsw.edu.au/fees-explained](https://www.newman.nsw.edu.au/fees-explained)

