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## 2024-25 ACADEMIC COURSES

### **NCT 120: INTRODUCTION TO 2D CAD CAM PROGRAMMING AND APPLICATIONS**

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In this course, students will learn CAD/CAM software to design parts for the various CNC manufacturing equipment. Points, lines, circles, view control, layers colors, break and trim functions will be used to create the geometry. Students will create both 2D and 3D geometry. The part geometry will be used to generate output files for various manufacturing equipment. Fundamental G and M codes will be reviewed to address machine specific requirements. This course contains material previously taught in NCT 249.

**Level I Prereq:** Academic Reading and Writing Levels of 6

<b>Description</b>	<b>Hours</b>
Credits	2
Lecture Hours	30
Clinical Hours	0
Lab Hours	30
Other Hours	0
Total Hours	60

Accurate as of 02/28/2024 Information is subject to change without notice.