

2024-25 ACADEMIC COURSES

NCT 100: FOUNDATION CONCEPTS FOR MANUFACTURING (CNC)

In this course, students will explore a variety of different machining technologies including computer numerical control (CNC), traditional, and hybrid machine tools for the purpose of later integration. Students will be introduced to projects on CNC machining centers and computer-aided design/computer-aided modeling (CAD/CAM) systems, additive manufacturing as well as other technologies used to manufacture parts. This course will prepare students to succeed in NCT 101 and other courses in the Mechatronics program. Students should have a basic familiarity with computers for this course. Level I Prerequisite: Academic Reading and Writing Levels of 6; Academic Math Level 2

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Description	Hours
Credits	3
Lecture Hours	30
Clinical Hours	0
Lab Hours	45
Other Hours	0
Total Hours	75

Accurate as of 12/12/2025 Information is subject to change without notice.