

Mechatronics

Course Code:

ME 456

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Restricted Elective I (Programming Courses) [1]

Course Language:

English

Course Content:

Introduction to mechatronics. Basic electronics for control. Computer based control systems, sensors, actuators and interfaces. Signal conditioning: amplification, ttenuation, analog filtering. Discrete mathematics for digital control. Design of discrete controllers.