Focus Areas and Technical Electives

**Intelligent Systems (IS)**

*EE141 Digital Signal Processing*
EE128 Data Acquisition and Process Control
EE140 Computer Visualization
EE143 Multimedia Technologies and Programming
EE146 Computer Vision
EE144 Introduction to Robotics
EE152 Image Processing

**Nano Materials, Devices and Circuits (NMDC)**

*EE133 Solid-State Electronics*
EE117 Electromagnetics-II
EE134 Digital Integrated Circuit Layout and Design
EE135 Analog Integrated Circuit Layout and Design
EE136 Semiconductor Device Processing Lab
EE141 Digital Signal Processing
EE160 Fiber Optic Communication Systems

**Communications and Signal Processing (CSP)**

*EE141 Digital Signal Processing*
EE117 Electromagnetics-II
EE128 Data Acquisition and Process Control
EE143 Multimedia Technologies and Programming
EE146 Computer Vision
EE150 Digital Communications
EE152 Image Processing
EE160 Fiber Optic Communication Systems

**Controls and Robotics (CR)**

*EE132 Automatic Control*
EE128 Data Acquisition and Process Control
EE141 Digital Signal Processing
EE144 Introduction to Robotics
EE146 Computer Vision
EE151 Introduction to Digital Control
EE152 Image Processing
Undergraduate Advising

General questions: Prof. Alexander A. Balandin alexb@ee.ucr.edu
Student petitions: Prof. Gerardo Beni beni@ee.ucr.edu

Advising by Focus Areas

Communications and Signal Processing (CSP)
Prof. Amit Roy Chowdhury amitrc@ee.ucr.edu

Intelligent Systems (IS)
Prof. Matt Barth barth@ee.ucr.edu

Nano Materials Devices and Circuits (NMDC)
Prof. Jianlin Liu jianlin@ee.ucr.edu

Controls and Robotics (CR)
Prof. Gerardo Beni beni@ee.ucr.edu

Visit faculty web-sites for more info