

CON Internet of Things

Internet of Things

Under Review | Fall 2025

Proposal Information

Status

Active

Workflow Status

In Progress

Refresh  **Form Submission, Proposer** collapse ▼

Submitted for Approval | Proposer

✓ Francesca Cavallo | 3/26/2024 2:32 PM

Department Chair Pre-Approval, Electrical & Computer Engineering

Approved | Department Chair

✓ Mark Gilmore | 3/26/2024 2:46 PM

Registrar Office Technical Check Approval, Registrar Technical Check

Approved | Registrar Technical Check

✓ Michael Raine | 3/28/2024 3:24 PM

College/School Dean Approval, School of Engineering

Approved | College or School approver

✓ Charles Fleddermann | 3/28/2024 3:40 PM

Library Approval, Main Campus Library

Approved | Library Approval

✓ Sever Bordeianu | 3/30/2024 7:45 AM

SGPC Approval, Faculty Senate Graduate and Professional Committee

Approved | Chair

✓ Robben Brown | 11/15/2024 11:53 AM

FSCC Member notification, Faculty Senate Curriculum Committee

Notification Sent | Faculty Senate Curriculum Committee Member

- ☒ Antoinette Abeyta
- ☒ Joe Anderson
- ☒ Randi Archuleta
- ☒ Laura Belmonte
- ☒ Justin Bendell
- ☒ Nicole Capehart
- ☒ Isabella Goss
- ☒ Sara Ice
- ☒ Megan Jacobs
- ☒ Joan Lucas
- ☒ Justine Ponce
- ☒ Mary Rice
- ☒ John Russell
- ☒ Jennifer Schneider
- ☒ Julia So
- ☒ SueNoell Stone
- ☒ Jonathan Wheeler

Faculty Senate Curriculum Committee Approval

Sent Back

← Janet Vassilev

Sending back so that the form can be pushed forward so that Nicole will have access.

12/06/2024 12:01 PM

Registrar Office Technical Check Approval

Skipped

→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:41 PM

College/School Dean Approval

Skipped

→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:41 PM

Library Approval

Skipped

→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:42 PM

SGPC Approval

Skipped

→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:42 PM

FSCC Member notification, Faculty Senate Curriculum Committee

Notification Sent | Faculty Senate Curriculum Committee Member

- ☒ Antoinette Abeyta
- ☒ Joe Anderson
- ☒ Randi Archuleta
- ☒ Laura Belmonte
- ☒ Justin Bendell
- ☒ Isabella Goss
- ☒ Sara Ice
- ☒ Megan Jacobs
- ☒ Joan Lucas
- ☒ Justine Ponce
- ☒ Mary Rice
- ☒ John Russell
- ☒ Jennifer Schneider
- ☒ Julia So
- ☒ SueNoell Stone

✉ Jonathan Wheeler

Faculty Senate Curriculum Committee Approval, Faculty Senate Curriculum Committee

Approved | Faculty Senate Curriculum Committee Chair

- Janet Vassilev
- ✓ Nicole Capehart

FSCC voted to approve.

5/02/2025 10:34 AM

Provost Approval, Main Campus Provost

Approved | Provost

- ✓ Pamela Cheek | 5/19/2025 2:29 PM

Faculty Senate, Faculty Senate

Waiting for Approval | Faculty Senate Approval

Nancy Middlebrook
Theresa Sherman

Registrar Office Final Approval/Processing, Registrar

Approval | Registrar final approval

Michael Raine
Maggie Sumruld

Notification, Proposer

Notification | Proposer

Francesca Cavallo

EMRT notification, EMRT users

Notification | EMRT user

Enrollment Mgt Reporting Team

Lobotrax notification, LoboTrax Team

Notification | LoboTrax Staff

Sherri DeLeve
Paula Freitag
Hannah Epstein
Allie Martinez
Glenda Johnson

Changes

- Concentration Requirements
- Degree Requirements
- participants
- Concentration Description
- Proposed Effective Term and Year

Show All ▼

Proposal Information

Proposed

Proposed

Sponsoring faculty/staff member ⓘ

Francesca Cavallo

Existing

Sponsoring faculty/staff member ⓘ**Sponsoring faculty/staff email**

fcavallo@unm.edu

Existing

Sponsoring faculty/staff email**College**

School of Engineering

DepartmentElectrical & Computer
Engineering**Campus**

Main Campus

Effective Term and Year

Proposed

Proposed Effective Term and Year

Fall 2025

Existing

Proposed Effective Term and Year

Fall 2006

Justification

Proposed

Concentration Justification

Removal of ECE 537-Foundations of Computing as a required course since it is not offered in the Accelerated Online Program (AOP) version.

The catalog will no longer include a list of specific required electives; instead, language will allow the student to pick electives based on what is listed on the ECE website. This will give the AOP in the Internet of Things the much-improved flexibility that it needs, given the rapid changes occurring in this area.

We have submitted a request to add ECE 593 as the Internet of Things Graduate Seminar. Therefore, we request a concentration change to replace the requirement for students enrolled in the program to earn 1 credit from ECE 590 with a requirement for them to earn 1 credit from ECE 593.

Existing

Concentration Justification

Associated Forms

Select any associated Kuali course forms that exist

Select any associated Kuali program forms that exist

Document uploads

Program Information

Degree Name

MS Comp Engin - Master of Science in Computer Engineering

Degree Type

Master of Science

Program Type

Graduate

Program Description

No Parent Selected

Degree Hours

31

Minimum Major Hours

Degree Requirements

- Complete 1 of the following

Plan I (Thesis)

- Complete all of the following

- Earn at least ~~12~~ **15** credits from the following types of courses:
~~12~~**Among credit the hours required of courses ECE (a core minimum courses, of among 15 which credit 9**
~~hours are in required ECE), by there the must emphasis be area four as three major core courses ; specified~~
~~and by the other 3 hours are selected from another emphasis area as a minor core course. The minor~~
~~core course must be selected from one of the focus core chosen courses by outside of the student's~~
~~major core (emphasis). See advisor.~~
- Earn at least 1 credits from the following:
 - ~~ECE590—Graduate Seminar- (1)~~
- Earn at least 6 credits from the following:
 - ECE599 - Master's Thesis (1 - 6)
- Candidates for the Plan I M.S. must satisfactorily pass the thesis defense.**
- Earn at least ~~12~~ **10** credits from the following types of courses:
electives approved by advisor **to reach required 31 total credits for degree.**

Plan III (Coursework only)

- Complete all of the following

- Earn at least ~~12~~ **15** credits from the following types of courses:
~~12~~**Among credit the hours required of courses ECE (a core minimum courses, of among 15 which credit 9**
~~hours are in required ECE), by there the must emphasis be area four as three major core courses ; specified~~
~~and by the other 3 hours are selected from another emphasis area as a minor core course. The minor~~
~~core course must be selected from one of the focus core chosen courses by outside of the student's~~
~~major core (emphasis). See advisor.~~
- Earn at least 1 credits from the following:
 - ~~ECE590—Graduate Seminar- (1)~~
- Earn at least ~~18~~ **16** credits from the following types of courses:
electives approved by advisor **to reach required 31 total credits for degree.**

Grand Total Credits: 31

Concentration Information

Concentration Title

Internet of Things

Program Level

Graduate

Concentration Requirements

- Complete all of the following
 - Complete the following:
 - ECE517 - Machine Learning (3)
 - ~~ECE537 - Foundations of Computing (3)~~
 - ECE540 - Advanced Networking Topics (3)
 - ECE531 - Introduction to the Internet of Things (3)
 - Earn at least 1 credits from the following:
 - ECE590 - Graduate Seminar (1)
 - ~~Earn at least 18 credits from the following:~~
 - ~~ECE500 - Theory of Linear Systems (3)~~
 - ~~ECE514 - Nonlinear and Adaptive Control (3)~~
 - ~~ECE516 - Computer Vision (3)~~
 - ~~ECE522 - Hardware Software Codesign with FPGAs (3)~~
 - ~~ECE525 - Hardware Oriented Security and Trust (3)~~
 - ~~ECE529 - Introduction to Technical Cybersecurity (3)~~
 - ~~ECE530 - Cloud Computing (3)~~
 - ~~ECE533 - Digital Image Processing (3)~~
 - **Earn at least 21 credits from the following types of courses:**
Courses listed as electives under the Internet of Things tab on the UNM Online website or other electives approved by the faculty advisor.

Grand Total Credits: 31

Proposed

Concentration Description

The M.S. in Computer Engineering concentration in Internet of Things is an Accelerated Online Program based on Plan III requirements as defined in the Graduate Program section of this Catalog. The concentration requires a set of core and selected courses for a total of 31 credit hours.

Existing

Concentration Description

The M.S. in Computer Engineering concentration in Internet of Things is a Managed Online Program based on Plan III requirements as defined in the Graduate Program section of this Catalog. The concentration requires a set of core and

selected courses for a total of 31 credit hours.

Registrar Office Only

CM Concentration Code

CON Internet of Things

Catalog

Main Campus

Catalog Activation Date

08/01/06

Notes**BANP****Concentration Code**