


◀ MS Elect Engr - Master of Science in Electrical Engineering

CON Spc Sys Engr Elct Engr Space Systems Engineering

Under Review | Fall 2026

Proposal Information

Status Active	Workflow Status In Progress Refresh  Form Submission, Proposer Submitted for Approval Proposer ✓ Francesca Cavallo 3/26/2024 2:24 PM Department Chair Pre-Approval, Electrical & Computer Engineering Approved Department Chair ✓ Mark Gilmore 3/26/2024 2:47 PM Registrar Office Technical Check Approval, Registrar Technical Check Approved Registrar Technical Check ✓ Michael Raine 3/28/2024 3:23 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 7:46 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 <div><input type="checkbox"/> Antoinette Abeyta</div> <div><input type="checkbox"/> Joe Anderson</div> <div><input type="checkbox"/> Randi Archuleta</div> <div><input type="checkbox"/> Laura Belmonte</div> <div><input type="checkbox"/> Justin Bendell</div> <div><input type="checkbox"/> Nicole Capehart</div> <div><input type="checkbox"/> Isabella Goss</div> <div><input type="checkbox"/> Sara Ice</div> <div><input type="checkbox"/> Megan Jacobs</div> <div><input type="checkbox"/> Joan Lucas</div> <div><input type="checkbox"/> Justine Ponce</div> <div><input type="checkbox"/> Mary Rice</div> <div><input type="checkbox"/> John Russell</div> <div><input type="checkbox"/> Jennifer Schneider</div> <div><input type="checkbox"/> Julia So</div> <div><input type="checkbox"/> SueNoell Stone</div> <div><input type="checkbox"/> Jonathan Wheeler</div> 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. <div>12/06/2024 12:02 PM</div> Registrar Office Technical Check Approval Skipped → Maggie Sumruld Sending back to FSCC <div>12/06/2024 1:45 PM</div> College/School Dean Approval Skipped → Maggie Sumruld Sending back to FSCC <div>12/06/2024 1:45 PM</div> Library Approval Skipped	
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→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:45 PM

SGPC Approval

Skipped

→ Maggie Sumruld

Sending back to FSCC

12/06/2024 1:45 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

Sent Back

← Nicole Capehart

Please resubmit in August with the requested updates. Thank you

6/02/2025 6:31 PM

Form Submission, Proposer

Submitted for Approval | Proposer

✓ Francesca Cavallo | 8/21/2025 12:16 PM

Skipped

→ Maggie Sumruld

should not have gone to CFA

9/04/2025 1:37 PM

Department Chair Pre-Approval

Approved

kualiadmin | 10/08/2025 11:38 AM

Department Chair Pre-Approval, Electrical & Computer Engineering

Approved | Department Chair

✓ Tim Kane | 10/08/2025 3:34 PM

Registrar Office Technical Check Approval, Registrar Technical Check

Approved | Registrar Technical Check

- Michael Raine
- ✓ Maggie Sumruld | 10/20/2025 3:24 PM

College/School Dean Approval, School of Engineering

Approved | College or School approver

✓ Shuang Luan | 10/21/2025 10:57 AM

Library Approval, Main Campus Library

Approved | Library Approval

- Sever Bordeianu
- ✓ Caitlin Wells | 10/22/2025 3:51 PM

SGPC Approval, Faculty Senate Graduate and Professional Committee

Approved | Chair

✓ Robben Brown | 11/20/2025 9:27 AM

FSCC Member notification, Faculty Senate Curriculum Committee

Notification Sent | Faculty Senate Curriculum Committee Member

- ☑ Joe Anderson
- ☑ Laura Belmonte
- ☑ Sara Ice
- ☑ Mary Rice
- ☑ John Russell
- ☑ SueNoell Stone
- ☑ Jonathan Wheeler
- ☑ Kirsten Thomson
- ☑ Paulo Dutra
- ☑ Randi Archuleta
- ☑ Joan Lucas
- ☑ Julia So
- ☑ Jennifer Henry
- ☑ Christopher Holden
- ☑ Justine Ponce
- ☑ Isabella Goss
- ☑ Vanessa Ferguson
- ☑ Lauren McQuiston
- ☑ Jennifer Laws

Faculty Senate Curriculum Committee Approval, Faculty Senate Curriculum Committee

Approved | Faculty Senate Curriculum Committee Chair

- Janet Vassilev
- ✓ Nicole Capehart

FSCC voted to approve this. Thank you!

2/24/2026 6:15 PM

Provost Approval, Main Campus Provost

Approved | Provost

- ✓ Pamela Cheek | 3/08/2026 1:20 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
- participants
- Concentration Description
- Proposed Effective Term and Year
- Catalog Activation Date

Show All ▼

Proposal Information

Proposed
Sponsoring faculty/staff member ⓘ
Francesca Cavallo

Proposed
Sponsoring faculty/staff email
fcavallo@unm.edu

Existing
Sponsoring faculty/staff member ⓘ

Existing
Sponsoring faculty/staff email

College
School of Engineering

Department
Electrical & Computer Engineering

Campus
Main Campus

Effective Term and Year

Proposed
Proposed Effective Term and Year
Fall 2026

Existing
Proposed Effective Term and Year
Fall 2006

Justification

Proposed
Concentration Justification

1. We propose to remove two previously required core courses, i.e., ECE 500 and ECE 514, and add ECE 535 as a core course. The change is motivated by a shift in the core of the program towards more applied topics that will provide graduates with the skills to further their careers in the aerospace industry.

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 Elect Engr - Master of Science in Electrical Engineering

Degree Type

Master of Science

Program Type

Graduate

Program Description
No Parent Selected

Degree Hours

Minimum Major Hours

Degree Requirements

- Complete 1 of the following

Plan I (Thesis)

- Complete all of the following
 - Earn at least 15 credits from the following types of courses:
Among the required courses (a minimum of 15 credit hours in ECE), there must be four courses specified by the area of focus chosen by the student.
 - Earn at least 6 credits from the following:
 - ECE599 - Master's Thesis (1 - 6)
 - Earn at least 10 credits from the following types of courses:
Electives approved by advisor; the department also requires at least one credit hour of graduate seminar ECE 590.

Plan III (Coursework only)

- Complete all of the following
 - Earn at least 18 credits from the following types of courses:
Among the required courses (a minimum of 18 credit hours in ECE), there must be four courses specified by the area of focus chosen by the student.
 - Earn at least 13 credits from the following types of courses:
Electives approved by advisor; the department also requires at least one credit hour of graduate seminar ECE 590.

Grand Total Credits: 31

Concentration Information

Concentration Title

Space Systems Engineering

Program Level

Graduate

Concentration Requirements

- Complete all of the following
 - Complete the following:
 - ~~ECE500 - Theory of Linear Systems (3)~~
 - ~~ECE541 - Probability Theory and Stochastic Processes (3)~~
 - ME594 - Introduction to Space Situational Awareness (3)
 - ME595 - Orbital Mechanics (3)
 - ME596 - Spacecraft Attitude Dynamics and Control (3)
 - ME597 - Small Spacecraft Design I (3)
 - **ECE535 - Satellite Communications (3)**
 - Earn at least 1 credits from the following:
 - ECE590 - Graduate Seminar (1)
 - ~~ME591 - Seminar (1)~~
 - ~~ME592 - Seminar (1)~~
 - Note: topic for above seminar course must be Space Systems.
 - ~~Earn at least 3 credits from the following:~~
 - ~~ECE595 - Special Topics (1-4)~~
 - ~~Note: topic for above special topics course must be Satellite Communications.~~
 - Earn at least ~~9~~ **15** credits from the following types of courses:
~~Electives courses as listed under the approved Space list Systems of Engineering electives tab on the UNM Online Web website site or other~~
Electives approved by the faculty advisor.

Grand Total Credits: 31

Proposed

Concentration Description

The M.S. in Electrical Engineering concentration in Space Systems Engineering 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 Electrical Engineering concentration in Space Systems Engineering 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 Spc Sys Engr Elct Engr	Catalog Main Campus	Proposed Catalog Activation Date
Notes b		Existing Catalog Activation Date 08/01/06
		BANP
		Concentration Code