

# Master of Science in Electrical Engineering (MSEE) Record Check

Initial Check; submit with Program of Study<sup>1,2</sup>:

Final Record Check; submit with Committee for Final Examination<sup>1,2,3</sup>:

<sup>1</sup> The GPA of courses that make up the graduate degree must be 3.0 or higher.

<sup>2</sup> Only grades of A, B, C, or S count toward an MSEE.

<sup>3</sup> For thesis and technical reports, submit a 1-page abstract, including date, time, and location of final exam.

Banner

Print Student Name: \_\_\_\_\_ ID Num: \_\_\_\_\_

Table 1: Undergraduate Deficiencies - Applies only to students without BSEE degree, or equivalent.

Undergraduate Deficiency Course	Equivalent Course at Another Institution or Work Experience or Advanced Coursework	OR Grade at NMSU
MATH 191 Calculus I		
MATH 192 Calculus II		
MATH 291 Calculus III		
MATH 392 Differential Equations		
E E 210 Engineering Analysis I (Linear Algebra & Intro to Probability)		
E E 310 Engineering Analysis II (Vector Analysis, including Green's Thm.)		
E E 161 Computer-Aided Problem Solving		
E E 162 Digital Circuit Design		
E E 280 DC and AC Circuits		
E E 312 Signals and System I		
E E 312 SS II (Intro to DSP, Controls, and Comm.)		
E E 351 Applied Electromagnetics		
E E 380 Electronics I		

Table 2: Three Graduate Core Courses from Three Different Areas (one Breadth may substitute)

Area of Specialization	Graduate Core Course	Grade
Microelectronics/VLSI	E E 523 Analog VLSI Design	
Communications	E E 571 Random Signal Analysis	
Computer Engineering	E E 563 Computer Performance Analysis OR E E 564 Advanced Computer Architecture I	
Control Systems	E E 551 Control Systems Synthesis I	
Digital Signal Processing	E E 545 Digital Signal Processing	
Electric Energy Systems	E E 543 Power Systems III	
Electromagnetics	E E 515 Electromagnetic Theory I	
Photonics	E E 577 Fourier Methods in Electro-Optics OR E E 528 Optical Sources, Detectors & Radiometry	

Table 3: One Graduate Breadth Course from a third area may substitute for one Graduate Core Course if students is not preparing for the Ph.D. Qualifying Exam

Area of Specialization	Graduate Core Course	Grade
Microelectronics/VLSI	E E 524 Digital VLSI Circuit Design	
Communications	E E 581 Digital Communications I	
Control Systems	E E 555 Advanced Linear Systems	
Digital Signal Processing	E E 555 Advanced Linear Systems	
Electric Energy Systems	E E 537 Power Electronics	
Electromagnetics	E E 541 Antennas and Radiation	

Table 4: 1 Credit of E E 501 required for students beginning their MSEE program on or after Fall 2011

E E 501 Research Topics in Electrical Engineering, 1 credit	Grade	
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Check One Box for MSEE Option:

Thesis Option:       Technical Report Option:       Coursework Only:

Table 5: Thesis or Technical Report Credits <sup>1</sup>

<sup>1</sup> If Coursework Only Option, skip this table entirely.

<sup>2</sup> If Tech Report Option, 3 credits of E E 598 are required (3 credits of E E 599 may substitute)

<sup>3</sup> If Thesis Option, 6 credits of E E 599 are required.

Total Number of E E 598 Tech Report Credits <sup>2</sup>	
Total Number of E E 599 Thesis Credits <sup>3</sup>	

Table 6: Total Graduate Credits (**Exclude Technical Report and Thesis Credits**)

<sup>1</sup> If Thesis Option, 24 graduate credits (excluding E E 599 credits) are required.

<sup>2</sup> If Tech Report Option, 27 graduate credits (excluding E E 598 credits) are required.

<sup>3</sup> If Coursework Only Option, 30 graduate credits are required.

<sup>4</sup> At least half of graduate credits must be taken in the Klipsch School (EE).

<sup>5</sup> At least 15 credits must be numbered 500 or above.

<sup>6</sup> At most 12 credits may be transferred from another institution.

<sup>7</sup> E E 590 credits that are not listed as regular courses in the schedule are limited to 6. The total number of E E 590 credits is limited to 9.

<sup>8</sup> Exclude credits from E E 490, C S 457/467/477/487, SPCD 470/SPCD 490, and COMM 485.

<sup>9</sup> At least half of the coursework credits must be taken with other than a single professor.

Total Number of Credits for all Courses Numbered 450 and above <sup>1,2,3,8,9</sup>	
Total Number of Credits for all EE Courses Numbered 450 and above <sup>4,8</sup>	
Total Number of Credits for all Courses Numbered 500 and above <sup>5</sup>	
Total Number of Credits transferred from Other Institutions <sup>6</sup>	
Total Number of Credits of EE590 <sup>7</sup>	

Cumulative Number of Semesters as TA <sup>1,2</sup> in ECE Dept: \_\_\_\_\_

Cumulative Number of Semesters as RA <sup>1,2</sup> in ECE Dept: \_\_\_\_\_

<sup>1</sup> If you were **both** a TA and RA in one semester, count semester as a TA only.

<sup>2</sup> Do not include summer support in the form of a TA or RA.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name (Printed): \_\_\_\_\_

Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Dept. Head Signature: \_\_\_\_\_ Date: \_\_\_\_\_