

## Ph.D. in (Electrical) Engineering Record Check

Initial Check, submit with Program of Study:

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

<sup>1</sup> Please submit to the Department Head a 1-page abstract of your dissertation. Include the date, time, and place of the final oral exam.

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

Bachelor's Degree Major: \_\_\_\_\_

Master's Degree Major: \_\_\_\_\_

Date Passed Ph.D. Qualifier: \_\_\_\_\_ Date Passed Comps: \_\_\_\_\_

Table 1: Undergraduate Deficiencies <sup>1</sup>

<sup>1</sup> Applies to students with neither a Bachelor's Degree nor a Master's Degree in EE

Undergraduate Deficiency Course	Equivalent Course at Another Institution or Work Experience or Advanced Coursework	OR Grade at NMSU
EE111 Intro Elect. Comp. Eng.		
EE161 Computer-Aided Solving		
EE211 AC Circuits		
EE321 Electronics I		
EE261 Digital Design I		
EE311 Signals and Systems		
EE315 Applied EMAG		
EE341 Control Systems I		

Table 2: Three Graduate Core Courses from Three Different Areas <sup>1</sup>

<sup>1</sup> Applies to students who do not have a Master's Degree in EE

Area of Specialization	Graduate Core Course	Grade
Microelectronics/VLSI	EE523 Analog VLSI Design	
Communications	EE571 Random Signal Analysis	
Computer Engineering	EE563 Computer Performance Analysis	
Control Systems	EE551 Control Systems Synthesis I	
Digital Signal Processing	EE545 Digital Signal Processing	
Electric Energy Systems	EE543 Power Systems III	
Electromagnetics	EE515 Electromagnetic Theory I	
Photonics	EE577 Fourier Methods in Electro-Optics	
OR	EE528 Optical Sources, Detectors & Radiometry	

Option 1 – MS degree completed:

Option 2 – Direct Ph.D. (no MS degree):

Table 3: (Option 1 only) Total Ph.D. Coursework Credits (**Exclude EE700 Credits**)

- <sup>1</sup> At least 18 credits of graduate-level courses beyond the MSEE are required.
- <sup>2</sup> Exclude credits for EE courses numbered below 500.
- <sup>3</sup> At least half of the credits must be taken in the Klipsch School (EE).
- <sup>4</sup> At most 6 credits may be research, for example, EE600, Doctoral Research, and EE590 courses that are not listed as regular courses in the schedule.
- <sup>5</sup> If the student holds an MS degree that is not in EE, **exclude** credits for the graduate core requirement from Table 2.

Total Number of Credits for all Courses Numbered 450 and above <sup>1,2,3,4,5</sup>	
Total Number of Credits for all EE Courses Numbered 500 and above <sup>2</sup>	
Total Number of Credits of research, e.g., EE590 and EE600 <sup>4</sup>	

Table 4: (Option 2 only) Total Graduate Credits (**Exclude EE700 Credits**)

- <sup>1</sup> At least 42 credits of graduate-level courses are required, including the graduate core requirement from Table 2.
- <sup>2</sup> At least half the credits must be numbered 500 or above.
- <sup>3</sup> At least half of the credits must be taken in the Klipsch School (EE).
- <sup>4</sup> At most 9 credits may be research, e.g., EE600, Doctoral Research, and EE590 courses that are not listed as regular courses in the schedule.
- <sup>5</sup> EE590 credits are limited to 9.
- <sup>6</sup> Exclude credits from EE490, CS457/467/477/487, BCS472, COMM 485, SPCD470/490, and ENGL572.
- <sup>7</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>1,2,3,4,5,6,7</sup>	
Total Number of Credits for all EE Courses Numbered 450 and above <sup>3</sup>	
Total Number of Credits for all Courses Numbered 500 and above <sup>2</sup>	
Total Number of Credits of research, e.g., EE590 and EE600 <sup>4</sup>	
Total Number of Credits of EE590 <sup>5</sup>	

Table 5: Dissertation Credits (Enroll in EE700 only after passing Ph.D. qualifying exam)

- <sup>1</sup> Total number of EE700 credits must be at least 18.
- <sup>1</sup> Nine of the 18 credits must be taken after passing the Comprehensive Exam.

Total Number of EE700 Dissertation Credits <sup>1,2</sup>	
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Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

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