Electrical Engineering Minor

Department of Electrical and Computer Engineering
University of California- Davis

There has been an increasing need for professionals in most engineering disciplines to understand the fundamentals of electronic circuits, electronic signals, semiconductor devices, applied electromagnetics, control systems, computer systems, and communication systems.

The objective of this minor program is to prepare students with the necessary theoretical and practical training in one or many of the above mentioned fields. The minor program curriculum is designed to allow flexibility while ensuring a solid foundation of fundamental electrical engineering concepts. The program is expected to accommodate students of diverse backgrounds.

The minor must be outside the department or program of your major and no more than one course may be counted toward both your minor and your major. The courses you take to satisfy the requirements of a minor, including those completed elsewhere, must be approved by an advisor in the Department of Electrical and Computer Engineering. You must have a minimum overall GPA of 2.000 and satisfy the minor course requirements, listed below. To receive notation of this minor on your diploma, you must obtain a minor petition and file it no later than the deadline for filing for graduation.

Minor Requirements

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<tr>
<th>Electrical Engineering</th>
<th>UNITS</th>
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<td>Total</td>
<td>21</td>
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Electrical and Computer Engineering 100  
At least one of the following combinations:  
- Analog circuits: Electrical and Computer Engineering 110A and 110B  
- Electromagnetics: Electrical and Computer Engineering 130A and 130 B  
- Physical Electronics: Electrical and Computer Engineering 140A and 140B  
- Signals and Systems: Electrical and Computer Engineering 150A and 150B  
- Communication: Electrical and Computer Engineering 150A and 160  
- Control Systems: Electrical and Computer Engineering 150A and 157A  
- Digital Systems: Electrical and Computer Engineering 180A and 180B  

At least 8 additional units of Electrical and Computer Engineering courses numbered 101 or above, except for Electrical and Computer Engineering 190, 192, 196, 197, 198, 199, 298, 299, 390, and 396. (If you elect to do a design project, you must be registered for both quarters)

Minor Advisors. Z. Ding, X. Liu
For more information please visit: www.ece.ucdavis.edu or contact ugradinfo@ece.ucdavis.edu