



University of California, Santa Barbara  
Program Learning Outcomes

**MS in Electrical and Computer Engineering**

***Upon graduation with a MS in Electrical and Computer Engineering:***

*Core Knowledge*

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- Students should demonstrate broad knowledge in at least one broad area of Electrical and Computer Engineering, including Computer Engineering, Electronics and Photonics, Communication, Signal Processing, or Control.
- Students should demonstrate significant expertise in one area of Electrical and Computer Engineering.

*Research Methods, Analysis, and communication*

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- Students should master qualitative and quantitative analysis tools relevant to their area of specialization.
- Students should be able to perform a critical analysis of technical literature in their area of specialization.
- Students should demonstrate their ability to communicate technical results to their peers.