

# 5G



## SPECIALIZED CERTIFICATE WIRELESS ENGINEERING

The Wireless Engineering certificate program provides practicing engineers, technical program managers and other industry personnel with specialized knowledge in 5G systems and networks. The program is designed for those seeking cutting edge training to stay in the forefront of their field, maintain a solid level of productivity, and be ready to pursue career advancement when presented. The program offers core courses in the latest wireless technologies including 5G technologies mmWave and Massive MIMO, Beam management, and E2E 5G signaling flows.



**FORMAT  
ONLINE**



**ESTIMATED COST**  
**\$3,630** (Excludes textbooks/materials)



**DURATION**  
**12 MONTHS**

### FOR MORE INFORMATION, CONTACT:

Richard J. Baran  
Program Manager, Technology & Engineering  
unexengr@ucsd.edu | (858) 534-9152



### APPLY TODAY AT:

[extendedstudies.ucsd.edu/wireless](https://extendedstudies.ucsd.edu/wireless)

### REQUIRED COURSE

- Fundamentals of Digital Communication for Wireless Systems

### CORE COURSES

(Select any 3 from the list)

- Introduction to OFDM/OFDMA and 4G/5G Systems
- Fundamentals of 5G NR
- Qualcomm Technologies' 5G Associate Certification
- Mixed Signal Design
- DSP in Wireless Communications
- RF System Design for Wireless Communications

### PROGRAM HIGHLIGHTS

- Remain up-to-date in a constantly evolving wireless industry
- Online courses provide convenient and flexible course schedule
- Prepare for new opportunities in the wireless engineering industry
- Explore core courses in the latest wireless 5G technologies
- Earn your 5G Associate certification from Qualcomm Wireless Academy

**UC San Diego**  
EXTENDED STUDIES

**Qualcomm**  
wireless academy