

List of courses that can be used to satisfy the scholarly paper requirement:

- ECE 611 Advanced Computer Architecture
- ECE 612 Real-Time Embedded Systems
- ECE 615 Software/Hardware Codesign
- ECE 616 Advanced Mobile Systems and Applications
- ECE 617 Distributed and Federated Learning
- ECE 618 Hardware Accelerators for Machine Learning
- ECE 622 Kalman Filtering with Applications
- ECE 631 Software-Defined Radio
- ECE 633 Error Control Coding
- ECE 635 Adaptive Signal Processing
- ECE 636 Advanced Digital Signal Processing
- ECE 637 Array Processing
- ECE 639 Satellite Communications
- ECE 642 Design and Analysis of Computer Communication Networks
- ECE 643 Network Switching and Routing
- ECE 645 Computer Arithmetic
- ECE 646 Applied Cryptography
- ECE 648 Digital Signal Processing Hardware Architectures
- ECE 651 Advanced Learning from Data
- ECE 653 Machine Learning Security and Privacy
- ECE 681 VLSI Design for ASICs
- ECE 684 MOS Device Electronics
- ECE 685 Nanoelectronics
- ECE 686 Sensor Device Technology
- ECE 687 Radio Frequency Electronics
- ECE 699 Small Satellite Development
- ECE 780 Radio Frequency Electronics
- ECE 731 Digital Communications
- ECE 732 Mobile Communication Systems
- ECE 738 Advanced Digital Signal Processing
- ECE 740 Digital Signal Processing Hardware Architectures
- ECE 741 Wireless Networks
- ECE 742 High-Speed Networks
- ECE 746 Advanced Applied Cryptography
- ECE 747 Cryptographic Engineering
- ECE 754 Optimum Array Processing I
- ECE 780 Radio Frequency Electronics
- ECE 698 Independent Reading and Research
- ECE 798 Research Project