



What You'll Learn?

-  Basics of the Digital World
-  Artificial Intelligence
-  Efficient Computing and Accelerators
-  Computer Networking and Next-Generation Internet
-  Drone and Robotics

Program Features

-  **State-of-the-art labs** for AI & Machine Learning, Embedded Systems, Computer Networks, and more...
-  **Industry-linked Final Year projects**
-  **Internship opportunities** inside and outside the country
-  **Rich set of electives** targeting the cutting-edge tech areas

Future challenges require innovative, sustainable, smart engineering solutions. Students in the Embedded Computing and Networks (ECN) specialization are equipped with the knowledge and technical know-how to blend efficient computing hardware resources with intelligent algorithms. This is where students learn how to connect the world and make it better through the use of AI.

Why Choose ECN?

ECN addresses the growing need for engineers skilled in designing and developing networked embedded systems. Graduates emerge ready to create reliable, real-time solutions utilizing artificial intelligence for domains such as drone-based applications, embedded vision systems, reliable networking applications, industrial automation, telecommunications, and smart cities.

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Career Pathways

- ✓ Computer Engineers
- ✓ Data Science & Engineering
- ✓ Embedded Systems Engineer
- ✓ Network Security Engineer
- ✓ IoT Solutions Architect
- ✓ FPGA / ASIC Design Engineer
- ✓ Network Engineer
- ✓ Entrepreneur in Embedded Domains
- ✓ Research & Development Roles

ECN Graduates are everywhere:

- ✓ Telecom Operators & ISPs: Omantel, Ooredoo, Awasr, Huawei, Ericsson, Cisco, ...
- ✓ Oil, Gas, and Energy Industries: PDO, OQ, ...
- ✓ Government & Regulatory Bodies: TRA, ITHCA, ...
- ✓ Defense & Aerospace: Royal Oman Armed Forces, Royal Oman Police.
- ✓ IT & Cloud Service Co.,
- ✓ Startups & Tech Firms & others.

