

Engineering Fundamentals	
Engineering drawing using computer (ELE 202)	Electric Circuits Lab (EPE 223)
Technical Writing and Engineering Ethics (ELE 206)	Digital Logic Design (CPE 230)
Technical Writing and Engineering Ethics (ELE 206)	Digital Logic Design Lab (CPE 231)
Linear algebra for Engineering (MATH 241)	Electronics 1 (ELE 250)
Engineering Analysis Methods (CME 216)	Electronics 1 Lab (ELE 251)
Circuits Analysis (ELE 228)	Probability and Random Processes for Engineering (CME 315)

Smart City Concepts and Applications	
Smart City Concepts and Applications (SME 101)	Introduction to Smart City Planning and Development (SME 201)
Introduction to IoT for Smart Cities (SME 346)	Urban Infrastructure and Planning (SME 352)
Sustainable Environments and Planning	
Fundamentals of Sustainable Land Use and Environmental Planning (SME 202)	Introduction to Sustainable built Environments and Green Buildings (SME 301)
Urban Environmental Management (SME 490)	
Data and Computational Analysis	
Computation for Urban Data and Analysis (SME 401)	Data Analytics and Machine Learning in Smart Cities (SME 491)

Materials and Technology	
Introduction to Materials Science for Urban Infrastructure (SME 302)	Advanced Materials, Energy, and Technologies in Smart Cities (SME 303)
IoT and Sensor Technology Lab (SME 347)	Renewable Energy Systems (SME 449)
Smart Grids and Energy Management (SME 460)	Smart Grids Simulation Lab (SME 461)
Urban Systems	
Urban Transportation Systems (SME 402)	Urban Transportation Systems Lab (SME 403)
Water Resources Engineering (SME 450)	
Professional Skills and Leadership	
Leadership and Management in Engineering Projects (SME 574)	Policy, Ethics, and Governance in Technology Implementation (SME 575)

Practical Experience	
Graduation Project 1 (SME 498)	Graduation Project 2 (SME 598)
Field Training (SME 500)	
Elective Courses (9 Credit Hours)	
<p><b>International Certifications</b></p> <ul style="list-style-type: none"> <li>Internationally Accredited Certification (1) (SME 501A)</li> <li>Internationally Accredited Certification (2) (SME 501B)</li> <li>Internationally Accredited Certification (3) (SME 501C)</li> </ul> <p><b>Advanced Planning and Design</b></p> <ul style="list-style-type: none"> <li>Advanced Urban Planning and Design (SME 528)</li> <li>Green Building Design and Technology (SME 552)</li> <li>Computation for Sustainable Planning (SME 554)</li> <li>Planning for Climate Change and Disasters Adaptation (SME 576)</li> </ul> <p><b>Artificial Intelligence and Machine Learning</b></p> <ul style="list-style-type: none"> <li>Artificial Intelligence in Urban Systems (SME 535)</li> <li>Artificial Intelligence and Machine Learning (CPE 586)</li> </ul> <p><b>Sustainable Solutions</b></p> <ul style="list-style-type: none"> <li>Sustainable Transportation Solutions (SME 548)</li> <li>Selected Topics (SME 590)</li> </ul>	