

MATLAB is used in the following courses for each major:

Civil Engineering:

EGR111 Engineering Computing with Applications
EGR211 Engineering Mechanics-Statics
EGR212 Engineering Mechanics-Dynamics
EGR322 Strength of Materials
CE401 Computational Methods in Civil Engineering
CE321 Geotechnical Engineering
CE351 Structural Analysis I

Electrical Engineering:

EGR111 Engineering Computing with Applications
EE262 Signals and Systems
EE351 Electronic Circuits I
EE352 Electronic Circuits II
EE403 Communication Systems
EE404 Automatic Control Systems
EE451 Advanced Analog Electronics
EE463 Digital Signal Processing
EE464 Real-time Digital Signal Processing

Mechanical Engineering:

EGR111 Engineering Computing with Applications
EGR211 Engineering Mechanics-Statics
EGR212 Engineering Mechanics-Dynamics
EGR322 Strength of Materials
ME301 Mechanical Engineering Analysis
ME304 Finite Element Analysis
ME336 Heat Transfer
ME351 Mechanical Systems Laboratory
ME376 Thermodynamics Laboratory
ME401 Machine Design (Excel or MATLAB)
ME443 Systems and Measurement
ME453 Mechanical Vibrations
ME454 Noise and Vibration Control