

# MATLAB and Simulink Available on Campus

**Amrita Institution** has a Campus-Wide License for MATLAB, Simulink and other products available to faculty, academic researchers and students. This option provides the widest and most up-to-date array of products, supporting from introductory courses to advanced research.



## MATLAB Product Family

### **Application Deployment**

MATLAB Compiler  
MATLAB Compiler SDK

### **Code Generation**

Embedded Coder  
Filter Design HDL Coder  
Fixed-Point Designer  
GPU Coder  
HDL Coder  
HDL Verifier  
MATLAB Coder

### **Data Science and Deep Learning**

Deep Learning Toolbox  
Predictive Maintenance Blockset  
Statistics and Machine Learning Toolbox  
Text Analytics Toolbox

### **Database Access and Reporting**

Database Toolbox  
MATLAB Report Generator

### **Math, Statistics, and Optimization**

Curve Fitting Toolbox  
Deep Learning Toolbox  
Global Optimization Toolbox  
Mapping Toolbox  
Optimization Toolbox  
PDE Toolbox  
Statistics and Machine Learning Toolbox  
Symbolic Math Toolbox

### **Parallel Computing**

MATLAB Parallel Server  
Parallel Computing Toolbox

## Simulink Product Family

### **Simulink**

System Composer

### **Code Generation**

AUTOSAR Blockset  
Embedded Coder  
Fixed-Point Designer  
HDL Coder  
HDL Verifier  
Simulink Code Inspector  
Simulink Coder  
Simulink PLC Coder

### **Event-Based Modeling**

SimEvents  
Stateflow

### **Physical Modeling**

Simscape  
Simscape Driveline  
Simscape Electrical  
Simscape Fluids  
Simscape Multibody

### **Real-Time Simulation and Testing**

Simulink Desktop Real-Time  
Simulink Real-Time

### **Simulation Graphics and Reporting**

Simulink 3D Animation  
Simulink Report Generator

### **Verification, Validation, and Test**

Simulink Check  
Simulink Coverage  
Simulink Design Verifier  
Simulink Requirements  
Simulink Test

## Application Products

### **Aerospace**

Aerospace Blockset  
Aerospace Toolbox

### **Automotive**

Automated Driving Toolbox  
AUTOSAR Blockset  
Model-Based Calibration Toolbox  
Powertrain Blockset  
Vehicle Dynamics Blockset  
Vehicle Network Toolbox

### **Autonomous Systems**

Automated Driving Toolbox  
Robotics System Toolbox  
Sensor Fusion and Tracking Toolbox

### **Computational Biology**

Bioinformatics Toolbox  
SimBiology

### **Computational Finance**

Database Toolbox  
Datafeed Toolbox  
Econometrics Toolbox  
Financial Instruments Toolbox  
Financial Toolbox  
Risk Management Toolbox  
Spreadsheet Link  
Trading Toolbox

### **Control Systems**

Control System Toolbox  
Fuzzy Logic Toolbox

Model Predictive Control Toolbox  
Predictive Maintenance Blockset  
Reinforcement Learning Toolbox  
Robust Control Toolbox  
Simulink Control Design  
Simulink Design Optimization  
System Identification Toolbox

### **FPGA and ASIC Design**

Filter Design HDL Coder  
Fixed-Point Designer

HDL Coder

HDL Verifier

LTE HDL Toolbox

SoC Blockset

Vision HDL Toolbox

### **Image Processing and Computer Vision**

Computer Vision Toolbox  
Image Processing Toolbox

### **RF and Mixed Signal**

Antenna Toolbox  
Mixed-Signal Blockset  
RF Blockset  
RF Toolbox  
SerDes Toolbox

### **Signal Processing**

Audio Toolbox  
DSP System Toolbox  
Phased Array System Toolbox  
Signal Processing Toolbox  
Wavelet Toolbox

### **Systems Engineering**

Simulink Requirements  
Stateflow  
System Composer

### **Test and Measurement**

Data Acquisition Toolbox  
Image Acquisition Toolbox  
Instrument Control Toolbox  
OPC Toolbox  
Vehicle Network Toolbox

### **Wireless Communications**

5G Toolbox  
Communications Toolbox  
LTE Toolbox  
WLAN Toolbox

## Polyspace Product Family

Polyspace Bug Finder  
Polyspace Code Prover

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