

Electronics Engineering Technology (Online)

East-West University reserves the right to change textbook, software, and technology requirements at any time. Please confirm the required materials with your professor and the current course syllabus.

Textbooks

Course ID	Course Title	Textbook Title	ISBN
EC201-ON	Microeconomics	MICRO ECON , 6th Edition, Mceachern	9781337408066
EN151-ON	Rhetoric and Styles	EVERY STUDENT HAS A STORY, 15, Dikkers	9781537570327
EN152-ON	Writing from Sources	WRITING+READING ACROSS CURRICULUM, 13th Edition, Behrens	9780133999013
EN157-ON	Practical Research Writing	CURIOUS RESEARCHER, 8th Edition, Ballenger THEY SAY/I SAY, 4th Edition, Graff	9780321992963 9780393631678
EN166-ON	Speech	No Text Required	
HM101-ON	Introduction to Humanities		
HM279-ON	East-West Signature Course	CUTTING FOR STONE, Vergheese	9780375714368
		GALAXY,+THE GROUND WITHIN (WAYFARERS 4), Chambers	9780062936042
		SHUNA'S JOURNEY, Hayao Miyazaki	9781250846525
HM491-ON	Senior Seminar	1984, Orwell	9780451524935
		ANIMAL FARM, Orwell	9788187057314
MT153-ON	General Education Math	THINKING MATHEMATICALLY-TEXT, 5th Edition, Blitzer	9780321645852
MT155-ON	Intermediate Algebra	INTERMEDIATE ALGEBRA, 7th Edition, Martin-Gay	9780134196176
MT158-ON	College Algebra		
MT160-ON	Elementary Plane Trigonometry	ALGEBRA+TRIGONOMETRY-TEXT, 10th Edition, Sullivan	9780321998590
MT201-ON	Calculus I		
MT221-ON	Fundamentals of Statistics	ELEM.STATISTICS, 11th Edition, Johnson	9780538733502
BL103-ON	Introduction to General Biology		
PS101-ON	Introduction to Psychology		
SC101-ON	Introduction to Sociology	SOCIOLOGY:DOWN-TO-EARTH APPROACH-TEXT, 14th Edition, Henslin	9780134736570
CI101-ON	Computer Technology and Applications	Go! All In One:Computer Concepts and Applications, 4th Edition	978-0-13-543897-8
CI216-ON	C# I	Computing with C# and the .NET Framework	978-1-4496-1550-5
CI221-ON	PYTHON I	Starting Out with Python, 4th Edition	978-0-13-444432-1
CI246-ON	C# II	Computing with C# and the .NET Framework	978-1-4496-1550-5
CI275-ON	Computer Organization and Architecture	The Essentials Of Computer Organization and Architecture, 5th Edition	978-1284123036
CI301-ON	Data Communications	Business Data Networks and Security, 11 th Edition	978-0-13-481712-5
ET101-ON	Basic Electronics	Microelectronics Circuits, A.S sedra, K.C. Smith, Oxford University	9780199339136
		Digital Fundamentals, Thomas Floyd, 10 th Edition, Pearson Edition	9780132359238
		Electronics Fundamentals and Applications, D. Chattopadhyay	978-93-93159-85-4
ET102-ON	Basic Electronics Workshop	Microelectronics Circuits, A.S sedra, K.C. Smith, Oxford University	9780199339136
		Digital Fundamentals, Thomas Floyd, 10 th Edition, Pearson Edition	9780132359238
		Electronics Fundamentals and Applications, D. Chattopadhyay	978-93-93159-85-4
ET106-ON	Circuit Analysis	Digital Fundamentals, Thomas Floyd, 10 th Edition, Pearson Edition	9780132359238
		Electronics Fundamentals and Applications, D. Chattopadhyay	978-93-93159-85-4
ET107-ON	Circuit Analysis Laboratory	Digital Fundamentals, Thomas Floyd, 10 th Edition, Pearson Edition	9780132359238
		Electronics Fundamentals and Applications, D. Chattopadhyay	978-93-93159-85-4
ET150-ON	Introduction to Digital Systems	Digital Design with an Introduction to the Verilog HDL- M. Morris Mano, 5th Edition	978-8131794746
ET151-ON	Digital Systems Laboratory	Digital Design with an Introduction to the Verilog HDL- M. Morris Mano, 5th Edition	978-8131794746
ET155-ON	Solid State Devices	B.G. Streetman, S.K.Banerjee "Solid State Electronic Devices", 7 th Edition	978-0-13-335603-8 –
		Thomas L Floyd, "Electronic Devices"	978-93-325-4549-6
ET156-ON	Solid State Devices Laboratory	B.G. Streetman, S.K.Banerjee "Solid State Electronic Devices", 7 th Edition	978-0-13-335603-8 –
		Thomas L Floyd, "Electronic Devices"	978-93-325-4549-6
DT103-ON	Fundamentals of Drone Technology		
ET203-ON	Fundamentals of Communication Engineering	Communication Systems, 5th ed., Haykin & Moher, 2009	978-0471697909
ET270-ON	Digital Circuits I	Digital Logic and Computer Design- M. Morris Mano	978-0132774208
ET271-ON	Digital Circuits Laboratory I	Digital Logic and Computer Design- M. Morris Mano	978-0132774208
ET290-ON	Microcontrollers	Electronics for Beginners: A Practical Introduction to Schematics, Circuits, and Microcontrollers First Edition by Jonathan Bartlett	978-1484259788
		Practical IoT Handbook: Programming IoT by implementing hands-on projects with Arduino, Python, and Raspberry Pi by Rodrigo J Hernandez	978-9365892659
ET291-ON	Microcontrollers Lab	Electronics for Beginners: A Practical Introduction to Schematics, Circuits, and Microcontrollers First Edition by Jonathan Bartlett	978-1484259788
		Practical IoT Handbook: Programming IoT by implementing hands-on projects with Arduino, Python, and Raspberry Pi by Rodrigo J Hernandez	978-9365892659
ET303-ON	Digital Communication Engineering I	Digital Communications: Fundamentals and Applications 2nd Edition By Sklar, Bernard	9780130847881
ET330-ON	Industrial Electronics I	No Text Required	
ET370-ON	Digital Circuits II	Digital Design with an Introduction to the Verilog HDL- M. Morris Mano, 5th Edition	978-8131794746
ET403-ON	Digital Communication Engineering II	Digital Communications: Fundamentals and Applications 2nd Edition By Sklar, Bernard	9780130847881
ET485-ON	Embedded Design	Embedded Systems Design 2nd Edition. Steve Heath	978-0750655460
ET492-ON	Senior Project	No Text Required	
PH110-ON	College Physics I	Physics for Career Education 7th Edition, Dale Ewen, Neil Schurter	9780130406538
PH111-ON	College Physics Laboratory I	Physics for Career Education 7th Edition, Dale Ewen, Neil Schurter	9780130406538

Electronics Engineering Technology Software

Course ID	Course Title	Software
CI101-ON	Computer Technology and Applications	Microsoft Office Suite
CI216-ON	C# I	Microsoft Visual Studio: C#
CI221-ON	PYTHON I	Python
CI246-ON	C# II	Microsoft Visual Studio: C#
ET101-ON	Basic Electronics	Multisim
ET102-ON	Basic Electronics Workshop	Multisim
ET106-ON	Circuit Analysis	Multisim, MATLAB / Simulink:
ET107-ON	Circuit Analysis Laboratory	Multisim, MATLAB / Simulink:
ET150-ON	Introduction to Digital Systems	Multisim/ Cost: KiCad
ET151-ON	Digital Systems Laboratory	Multisim/ Cost: KiCad
ET155-ON	Solid State Devices	Multisim
ET156-ON	Solid State Devices Laboratory	Multisim
ET203-ON	Fundamentals of Communication Engineering	Multisim
ET270-ON	Digital Circuits I	Multisim, MATLAB / Simulink:
ET271-ON	Digital Circuits Laboratory I	Multisim, MATLAB / Simulink:
ET290-ON	Microcontrollers	Multisim/ Programming Languages/IDEs/ Python
ET291-ON	Microcontrollers Lab	Multisim/ Programming Languages/IDEs/ Python
ET303-ON	Digital Communication Engineering I	Multisim
ET370-ON	Digital Circuits II	Multisim, MATLAB / Simulink:
ET485-ON	Embedded Technology	Multisim/ o Cost: Xilinx ISE
ET492-ON	Senior Project	Multisim

Laptop Specifications

View Display	16" or higher
RAM Memory	16 GB or higher
CPU Type	Intel or AMD (Intel CPU is faster than AMD)
CPU Speed	2.0 or higher
HDD Capacity	500 GB or higher
HDD Type	SSD (Solid State Device)