

## 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	9780321992963
EN166-ON	Speech	THEY SAY/I SAY, 4th Edition, Graff	9780393631678
HM101-ON	Introduction to Humanities	No Text Required	
HM279-ON	East-West Signature Course	CUTTING FOR STONE, Vergheze	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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> Edition, Pearson Edition	9780132359238
		Electronics Fundamentals and Applications, D. Chattopadhyay	978-93-93159-85-4
ET106-ON	Circuit Analysis	Digital Fundamentals, Thomas Floyd, 10 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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

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

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