



## BS in Electronics Engineering Technology (for AAS degree holders)

### General Education Core (64 Credits)

#### English and Communication(20 Credits)

EN151-ON	Rhetoric and Style	4	0
EN152-ON	Writing from Sources	4	0
EN157-ON	Practical Research Writing	4	0
EN166-ON	Speech	4	0
HM491-ON	Senior Seminar	4	0
		<b>20</b>	<b>0</b>

#### Mathematics and Science(20 Credits)

MT153-ON	General Education Math	4	0
MT155-ON	Intermediate Algebra	4	0
MT158-ON	College Algebra	4	0
PH110-ON	Engineering Physics I	4	0
PH111-ON	Engineering Physics Laboratory I	4	0
		<b>20</b>	<b>0</b>

#### Behavioral and Social Sciences and Humanities(20 Credits)

HM279-ON	East-West Signature Course	4	0
PS101-ON	Introduction to Psychology	4	0
SC101-ON	Introduction to Sociology	4	0
HM101-ON	Humanities I	4	0
EC201-ON	Principals Of Microeconomics	4	0
		<b>20</b>	<b>0</b>

#### Computer and Information Science(4 Credits)

CI101-ON	Computer Technology and Applications	4	0
		<b>4</b>	<b>0</b>

### Cognate or Supporting Field (28 Credits)

#### Computer and Information Science(16 Credits)

CI216-ON	C# 1	4	0
CI221-ON	Python I	4	0
CI275-ON	Computer Organization and Architecture	4	0
CI301-ON	Data Communications	4	0
		<b>16</b>	<b>0</b>

#### Mathematics(12 Credits)

MT160-ON	Elementary Plane Trigonometry	4	0
MT201-ON	Calculus I	4	0
MT221-ON	Statistics	4	0
		<b>12</b>	<b>0</b>

\*Grey colored rows are the courses considered completed for Associate degree holders

### Total 80 credit hours in Electronics courses

#### Core Courses(40 Credits)

ET101-ON	Basic Electronics	0	
ET102-ON	Basic Electronics Workshop	0	
ET106-ON	Circuit Analysis	0	
ET107-ON	Circuit Analysis Laboratory	0	
ET150-ON	Introduction to Digital Systems	0	
ET151-ON	Digital Systems Laboratory	0	
ET155-ON	Solid State Devices	0	
ET156-ON	Solid State Devices Laboratory	0	
ET270-ON	Digital Circuits I	0	
DT103-ON	Fundamentals of Drone Technology	0	
		<b>0</b>	

#### Major Field of Concentration(40 Credits)

ET203-ON	Fundamentals of Communication Engineering	4	0
ET271-ON	Digital Circuits Laboratory I	4	0
ET290-ON	Microcontrollers	4	0
ET291-ON	Microcontrollers Lab	4	0
ET303-ON	Digital Communication Engineering I	4	0
ET330-ON	Industrial Electronics I	4	0
ET370-ON	Digital Circuits II	4	0
ET403-ON	Digital Communications Engineering II	4	0
ET485-ON	Embedded Design	4	0
CI246-ON	C#II	4	0
		<b>40</b>	<b>0</b>

#### Senior Project(8 Credits)

ET492-ON	Senior Project	8	0
		<b>8</b>	<b>0</b>

#### Elective (4 Credits)

BL103-ON	General Biology	4	0
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**Total Credits:**

**180 0**