

# ROWAN B.S. IN ELECTRICAL ENGINEERING TECHNOLOGY (2+2 PROGRAM)

General Education	
Total: 12 credits	
College Composition I	3
College Composition II	3
Public Speaking or Effective Speech	3
Micro or Macro Economics	3

Math, Science & Intro to Engineering	
Total: 23 credits	
PreCalc + Calculus I	8
Physics I (Mechanics) <sup>1</sup>	4
Physics II (Elec. & Mag.) <sup>1</sup>	4
Intro to Engineering / Design <sup>2</sup>	4
Programming (Matlab, C, or Python)	4

EET Core <sup>3</sup>	
Total: 12 credits	
Electric Circuits (Analog) Electronics	4
Digital Systems / Electronics	4
Any suitable combinations of circuits, analog electronics and digital systems (e.g., logic circuits, digital electronics) that add up to 12 credits of core content are acceptable.	

Notes & Recommendations:

1. All physics classes are non-calculus based
2. Any introduction to engineering or engineering design related course can be used to meet engineering design requirement.
3. Three course sequence of circuits, electronics and digital systems (4-cr each) will transfer as a 4-course sequence (of 3 cr. each) at Rowan
4. Any additional technology related courses you may have as part of your AAS degree will transfer and count towards the Technology Focus Electives.

Science & Tech Focus <sup>4</sup>	
Total: 9 Credits	
Any three relevant science and technology focus courses your school already offers	9

FIRST YEAR - Recommended Sequence and Mapping to Rowan Courses			
<b>FALL</b>	<b>CR</b>	<b>SPRING</b>	<b>CR</b>
Precalculus <b>MATH 01.122</b> (Quantitative Literacy)	4	Calculus I <b>MATH 01.130</b>	4
Physics I (w/o Calc) <b>PHYS 00.210</b> (Scientific Literacy)	4	Physics II (w/o Calc) <b>PHYS 00.211</b>	4
College Comp I <b>COMP 01.111</b>	3	Electric Circuits I <b>EET03.121</b>	3
A Programming Class ( <b>CS 01.104</b> )	3	College Comp II <b>COMP 01.112</b>	3
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>
SECOND YEAR - Recommended Sequence and Mapping to Rowan Courses			
<b>FALL</b>	<b>CR</b>	<b>SPRING</b>	<b>CR</b>
Intro to Engineering / Design ( <b>EGR 01.151+251+252</b> )	4	Gen Ed or Tech elective	3
Micro or macro economics (Humanistic Lit.)	3	Public Speaking <b>CMS 04.205</b> (Comm Literacy)	3
Electric Circuits II <b>EET 03.222</b>	3	Science or Technology Focus Elective	3
Fundamentals of Digital Sys. <b>ECE 09.240</b>	3	Technology Focus Elective ( <b>EET 03.300</b> )	3
Introduction to Electronics <b>EET03.230</b>	3	Technology Focus Elective ( <b>EET 03.300</b> )	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
THIRD YEAR - ROWAN UNIVERSITY			
<b>FALL</b>	<b>CR</b>	<b>SPRING</b>	<b>CR</b>
Junior Tech. Clinic I <b>EGR 02.351</b>	2	Junior Tech. Clinic II <b>EGR 02.352</b>	2
PCB Des., Rapid Proto. and Fabr. <b>EET 03.360</b>	4	Embedded Systems & IoT <b>EET 03.340</b>	4
Calculus II <b>MATH 01.131</b>	4	Statistics I <b>STAT 02.260</b> or Quality & Rel. <b>ME 10.342</b>	3
Rowan Core - Artistic Literacy Elective	3	Rowan Core - Global Literacy Elective	3
Analog Integrated Circuits <b>EET 03.332</b>	3	Project Management ( <b>EET 03.496</b> or <b>ME 10.342</b> )	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
FOURTH YEAR - ROWAN UNIVERSITY			
<b>FALL</b>	<b>CR</b>	<b>SPRING</b>	<b>CR</b>
Senior Tech. Clinic I <b>EGR 02.451</b>	2	Senior Tech. Clinic II <b>EGR 02.452</b>	2
Applied Digital Signal Processing <b>EET 03.350</b>	4	Applied Communication Systems <b>EET 03.380</b>	3
EET Specialization Elective <b>EET 03.XXX / ECE 09.XXX</b>	3	Electrical Power & Energy Systems <b>EET 03.390</b>	3
EET Specialization Elective <b>EET 03.XXX / ECE 09.XXX</b>	3	EET Specialization Elective <b>EET 03.XXX / ECE 09.XXX</b>	3
Intro. to Mechanical Systems <b>MET 07.360</b>	3	EET / Tech Focus Elective <b>EET 03.XXX / ECE 09.XXX</b>	3
Professionalism & Consulting in Engineering <b>ECE 09.461</b>	1		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>
<b>TOTAL PROGRAM CREDITS:</b>			<b>120</b>