



UNIVERSITY OF PUERTO RICO AT BAYAMON
ELECTRONICS DEPARTMENT

CURRICULUM

***ASSOCIATE DEGREE IN AUTOMATION, INSTRUMENTATION,
AND CONTROL SYSTEMS TECHNOLOGY***

FIRST YEAR

First Semester

Courses			<i>Crs.</i>
INGL 3101	Basic English I	3	
INGL 3113	Basic English I Lab.	0	
MATE 3171	Pre-Calculus I	3	
ESPA 3101	Basic Spanish I	3	
CIQA 3001	Chemical Sciences I	3	
TEIN 1101	Fund. of Electricity	4	
TEIN 1102	Fund. of Electricity Lab.	1	
EDFU 3005	Pers. Dev. & Univ. Success Seminar	0	
	<i>Semester Credit Hours</i>	<u>17</u>	

Second Semester

Courses			<i>Crs.</i>
INGL 3102	Basic English II	3	
INGL 3114	Basic English II Lab.	0	
MATE 3172	Pre-Calculus II	3	
ESPA 3102	Basic Spanish II	3	
TEIN 2021	Electronic Devices I	4	
TEIN 2023	Electronic Devices I Lab.	1	
TEIN 1211	Fund. of Digital Circ.	3	
TEIN 1212	Fund. of Digital Circ. Lab.	1	
	<i>Semester Credit Hours</i>	<u>18</u>	

SECOND YEAR

First Semester

Courses			<i>Crs.</i>
FISI 1001	Technical Physics I	3	
FISI 1002	Technical Physics I Lab.	1	
TEIN 2001	Measurement Principles I	4	
TEIN 2003	Meas. Principles I Lab.	1	
TEIN 2110	Princ. Indust. Networks Lab.	1	
TEIN 2022	Electronic Devices II	4	
TEIN 2024	Electronic Devices II Lab.	1	
	<i>Social Sciences or Humanities</i>	<u>3</u>	
	<i>Semester Credit Hours</i>	<u>18</u>	

Second Semester

Courses			<i>Crs.</i>
TEIN 2005	Calibration Principles	1	
TEIN 2011	Control Principles	3	
TEIN 2012	Control Principles Lab.	1	
TEIN 2231	Industrial Systems	3	
TEIN 2232	Industrial Systems Lab.	1	
TEIN 2221	Biomedical Instr.	3	
TEIN 2222	Biomedical Instr. Lab.	1	
TEIN 2500	Instrument. Project Lab.	1	
	<i>Social Sciences or Humanities</i>	<u>3</u>	
	<i>Semester Credit Hours</i>	<u>17</u>	

TOTAL CREDITS FOR THE PROGRAM: 70



Engineering
Technology
Accreditation
Commission

