

Academic Map: Engineering Technology: Electronics Bench Technician (AAS)

Associate of Applied Science (A.A.S) | 65 Total Credits | CSN Degree Code: ETBT-AAS | Catalog Year: 2022-2023 |

Computing and Engineering Technologies Advanced and Applied Technologies Department of Applied Technologies

Jobs and Employment Information: https://www.csn.edu/cetarea

DESCRIPTION: The Associate of Applied Science Degree in Engineering Technology with Electronics – Bench Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician.

TERM 1 – TOTAL CREDIT HOURS: 15-17	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ET 111B or MATH 127 or above	3	Depends on course chosen	GE Math	C	
ENG 100 or 101 or 107 or 110 or 113	3-5	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG	С	
ALS 101 College Success	3	None	GE Human Rel	C	
ET 104B Fabrication and Soldering Techniques	2	None	Special Prog Req	C	400
ET 131B DC for Electronics	4	None	Special Prog Req	C	Mandatory Advising Required
0.8					
TERM 2 – TOTAL CREDIT HOURS: 14-17	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
COM 115 Applied Communications	3	None	GE Com		
ET 132B AC for Electronics	4	ET 111B or MATH 127 and C or up in ET 131B or B	Special Prog Req	С	
		or up inMT102B			~
ET 212B Digital Logic I	4	None	Special Prog Req	С	
ET 106B Test Equipment Operation	3	None	Special Prog Req	С	
IS 100B or IS101 ¹	0-3	None	Digital Literacy	С	Mandatory Advising Required
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TERM 3 – TOTAL CREDIT HOURS: 7	Credits	Pre-Requisite/Co-Requisite	<u>Area</u>	Min Grade	Milestones and Notes
TERM 3 – TOTAL CREDIT HOURS: 7 ET 220B Solid State Devices and Circuits I	Credits 4	<u>Pre-Requisite/Co-Requisite</u> ET 132B or Instructor Approval	<u>Area</u> Special Prog Req	Min Grade C	Milestones and Notes
					Milestones and Notes Mandatory Advising Required
ET 220B Solid State Devices and Circuits I	4	ET 132B or Instructor Approval	Special Prog Req	С	40
ET 220B Solid State Devices and Circuits I	4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite	Special Prog Req Special Prog Req Area	C C Min Grade	40
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition	3	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen	Special Prog Req Special Prog Req Area GE Nat Science	C C	Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15	4 3 <u>Credits</u>	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons	C C Min Grade	Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L	4 3 Credits 4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req	C C Min Grade C	Mandatory Advising Required Milestones and Notes
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics	4 3 <u>Credits</u> 4 4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons	C C Min Grade C C	Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II	4 3 <u>Credits</u> 4 4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req	C C Min Grade C C	Mandatory Advising Required Milestones and Notes
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II	4 3 <u>Credits</u> 4 4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B ET 132 and ET 212B or Instructor/Prog Approval Pre-Requisite/Co-Requisite	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req	C C Min Grade C C	Mandatory Advising Required Milestones and Notes
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II ET 282B Microprocessors I	4 3 <u>Credits</u> 4 4 4 3	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B ET 132 and ET 212B or Instructor/Prog Approval Pre-Requisite/Co-Requisite EGG 131	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req Special Prog Req	C C Min Grade C C C	Mandatory Advising Required Milestones and Notes Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II ET 282B Microprocessors I TERM 5 – TOTAL CREDIT HOURS: 14 EGG 132 Technical Physics II FA/HUM/SS Elective – See advisor/counselor	Credits 4 4 4 3 Credits	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B ET 132 and ET 212B or Instructor/Prog Approval Pre-Requisite/Co-Requisite	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req Special Prog Req Area	C C Min Grade C C C C C Min Grade	Mandatory Advising Required Milestones and Notes Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II ET 282B Microprocessors I TERM 5 – TOTAL CREDIT HOURS: 14 EGG 132 Technical Physics II	4 3 <u>Credits</u> 4 4 3 <u>Credits</u> 4	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B ET 132 and ET 212B or Instructor/Prog Approval Pre-Requisite/Co-Requisite EGG 131	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req Special Prog Req Special Prog Req Area GE Nat Science	C C Min Grade C C C C C Min Grade	Mandatory Advising Required Milestones and Notes Mandatory Advising Required
ET 220B Solid State Devices and Circuits I ET 228 Data Acquisition TERM 4 – TOTAL CREDIT HOURS: 15 EGG 131 and 131L PSC 101 Intro to American Politics ET 213B Digital Logic II ET 282B Microprocessors I TERM 5 – TOTAL CREDIT HOURS: 14 EGG 132 Technical Physics II FA/HUM/SS Elective – See advisor/counselor	4 3 Credits 4 4 3 Credits 4 3	ET 132B or Instructor Approval ET 132B and ET 212B Pre-Requisite/Co-Requisite Depends on course chosen None ET 212B ET 132 and ET 212B or Instructor/Prog Approval Pre-Requisite/Co-Requisite EGG 131 Depends on course chosen	Special Prog Req Special Prog Req Area GE Nat Science GE US/NV Cons Special Prog Req Special Prog Req Special Prog Req GE Nat Science GE FA/Hum/SS	C C Min Grade C C C C C Min Grade C	Mandatory Advising Required Milestones and Notes Mandatory Advising Required

¹Students who complete IS 101 will complete a total of 68 credits for this degree.