



# 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**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
ET 111B or MATH 127 or above	3	<i>Depends on course chosen</i>	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	C	
ALS 101 College Success	3	<i>None</i>	GE Human Rel	C	
ET 104B Fabrication and Soldering Techniques	2	<i>None</i>	Special Prog Req	C	
ET 131B DC for Electronics	4	<i>None</i>	Special Prog Req	C	Mandatory Advising Required

## **TERM 2 – TOTAL CREDIT HOURS: 14-17**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
COM 115 Applied Communications	3	<i>None</i>	GE Com		
ET 132B AC for Electronics	4	ET 111B or MATH 127 and C or up in ET 131B or B or up in MT102B	Special Prog Req	C	
ET 212B Digital Logic I	4	<i>None</i>	Special Prog Req	C	
ET 106B Test Equipment Operation	3	<i>None</i>	Special Prog Req	C	
IS 100B or IS101 <sup>1</sup>	0-3	<i>None</i>	Digital Literacy	C	Mandatory Advising Required

## **TERM 3 – TOTAL CREDIT HOURS: 7**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
ET 220B Solid State Devices and Circuits I	4	ET 132B or Instructor Approval	Special Prog Req	C	
ET 228 Data Acquisition	3	ET 132B and ET 212B	Special Prog Req	C	Mandatory Advising Required

## **TERM 4 – TOTAL CREDIT HOURS: 15**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
EGG 131 and 131L	4	<i>Depends on course chosen</i>	GE Nat Science	C	
PSC 101 Intro to American Politics	4	<i>None</i>	GE US/NV Cons	C	
ET 213B Digital Logic II	4	ET 212B	Special Prog Req	C	
ET 282B Microprocessors I	3	ET 132 and ET 212B or Instructor/Prog Approval	Special Prog Req	C	Mandatory Advising Required

## **TERM 5 – TOTAL CREDIT HOURS: 14**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
EGG 132 Technical Physics II	4	EGG 131	GE Nat Science	C	
FA/HUM/SS Elective – See advisor/counselor	3	<i>Depends on course chosen</i>	GE FA/Hum/SS	C	
Spec Prog Elective – See advisor/counselor	4	<i>Depends on course chosen</i>	SP Elective	C	
ET 293B Telecommunications Trans Models	3	ET 132B	Special Prog Req	C	Apply for Graduation

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