

Consider Approval to Offer Engineering Technology Program
(Level 1 Certificates, Level 2 Certificate, and Associate of Applied Science Degree)

Staff is requesting Board approval to offer the Engineering Technology Program beginning the fall 2026 semester. This program will include the following certificates: (1) Level 1 Certificate –Entry Level, (2) Level 1 Certificate – Advanced Level and (3) Level 2 Certificate – Advanced Level along with the Associate of Applied Science Degree. Classes will be scheduled as a combination of face-to-face, hybrid and online classes and will include lecture and hands-on labs. All face-to-face meetings will be held at the main campus. This program will prepare students for entry-level positions as Engineering Technicians.

1st Year									
Semester 1									
Prefix	Number	Course Name	Course Type	Lecture/Wk Combination	Lab/Wk Combination	Total Lec hrs	Total Lab hrs	Total Semester Contact hrs	Total Semester Credit hrs
CETT	1409	DC-AC Circuits	WECM	3	3	48	48	96	4
CETT	1407	Fundamentals of Electronics	WECM	3	3	48	48	96	4
RBTC	1405	Robotic Fundamentals	WECM	3	3	48	48	96	4
TECM	1403	Technical Calculations	WECM	4	0	64	0	64	4
1st Semester Totals				13	9	208	144	352	16

Level 1 Certificate – Entry Level

Semester 2									
Prefix	Number	Course Name	Course Type	Lecture/Wk Combination	Lab/Wk Combination	Total Lec hrs	Total Lab hrs	Total Semester Contact hrs	Total Semester Credit hrs
RBTC	2339	Robot Programming and Diagnostics	WECM	2	3	32	48	80	3
CETT	1429	Solid State Devices	WECM	3	3	48	48	96	4
ELPT	2419	Programmable Logic Controllers I	WECM	2	4	32	64	96	4
ELMT	2433	Industrial Electronics	WECM	2	4	32	64	96	4
2nd Semester Totals				9	14	144	224	368	15

Level 1 Certificate – Advanced Level

Summer Semester									
Prefix	Number	Course Name	Course Type	Lecture/Wk Combination	Lab/Wk Combination	Total Lec hrs	Total Lab hrs	Total Semester Contact hrs	Total Semester Credit hrs
RBTC	1447	Electro-Mechanical Devices	WECM	3	3	48	48	96	4
ELPT	2455	Programmable Logic Controllers II	WECM	2	4	32	64	96	4
ELMT	2337	Electronic Troubleshooting, Service, and Repair	WECM	2	2	32	32	64	3
ENTC	1391	Special Topics in Engineering Tech	WECM	2	4	32	64	96	3
Summer Semester Totals				9	13	144	208	352	14

Level 2 Certificate - Advanced

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2nd Year									
Semester 1									
Prefix	Number	Course Name	Course Type	Lecture/Wk Combination	Lab/Wk Combination	Total Lec hrs	Total Lab hrs	Total Semester Contact hrs	Total Semester Credit hrs
ENGL	1301	Composition I	ACGM	3	0	48	0	48	3
SPCH	13XX	Speech Elective	ACGM	3	0	48	0	48	3
Math or Science Elective			ACGM	3	0	48	0	48	3
Language, Philosophy, & Culture Elective			ACGM	3	0	48	0	48	3
Social & Behavioral Science Elective			ACGM	3	0	48	0	48	3
3rd Semester Totals				15	0	240	0	240	15

GRAND TOTALS

Course Type	Lecture/Wk Combination	Lab/Wk Combination	Total Lecture hrs	Total Lab hrs	Total Semester Contact hrs	Total Semester Credit hrs
ACGM	15	0	240	0	240	15
WECM	31	36	496	576	1072	45
GRAND TOTALS	46	36	736	576	1312	60