

JCCC Program Review Summary 2021

Subject: **Automation Engineering Tech**

Resource Utilization Indicators

	Number of Faculty		Student Credit Hours by Faculty Type		
	Part Time	Full Time	Part Time	Full Time	Total
2019	1	1	189	171	360
2020	3	1	183	249	432
2021	2	1	129	213	342

Notes:

Faculty type determined using cost center (org #). Some subjects may have more than one org #.

A full-time faculty member teaching a subject NOT tied to his or her home cost center is counted as part-time for that subject.

Total Student Credit Hours (SCH) are divided by the number of faculty teaching the class. E.g., for a class generating 30 SCH with 3 full-time faculty, then 10 SCH go to each faculty member.

Quality Indicators - Enrollment

Year	Subject	Subject Prefix	Headcount (unduplicated)	seats filled	#sections	Average Class Size	% Student Completion	% Student Success	% Student Attrition	Student Credit Hours
2019	Automation Engineering Tech	AET	61	120	10	12.0	95	94	5	360
2020	Automation Engineering Tech	AET	80	144	14	10.3	98	95	1	432
2021	Automation Engineering Tech	AET	52	114	12	9.5	99	92	0	342

Notes:

Attrition rate: number of students with a W grade divided by total enrolled (unduplicated headcount)

Success rate: number of students with grades A, B, C, or P divided by total enrolled (unduplicated headcount)

Completion rate: number of students with grades A, B, C, D, F, or P divided by total enrolled (unduplicated headcount)

Quality Indicators - Expenses & Revenue

Year	Subject	Direct Tuition Revenue	Direct Expenses	Direct Cost Per CrHr	Total Revenue	Total Expenses	Total Cost Per CrHr
2018	Automation Engineering Tech	\$25,350.82	\$240,377.38	\$646.18	\$162,980.85	\$359,168.41	\$965.51
2019	Automation Engineering Tech	\$30,184.17	\$225,065.64	\$614.93	\$173,323.18	\$326,192.84	\$891.24
2020	Automation Engineering Tech	\$34,003.43	\$211,591.89	\$542.54	\$211,578.59	\$418,171.86	\$1,072.24

Notes:

CrHr: Credit Hour

Direct: Includes department expenses/revenues as well as percentage of direct administrative expenditures.

Indirect: Includes a percentage of expenses and revenues associated with all other areas of campus that provide support to your program.

Total: Includes both direct and indirect

Source Activity Based Cost (ABC) model updated Fall 2020.

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Quality Indicators - Program Outcomes

% Placement Rate for Graduates

Employed	2017-2018	2018-2019	2019-2020
Automation Engineer Technology (2050 assoc)	100%	67%	100%

Notes:

Source: JCCC Follow-Up Survey

Placement rate calculation: Total employed in a related field divided by the total who responded to the JCCC Follow-up Survey.

of Graduates Transferring

Transfers	2017-2018	2018-2019	2019-2020
Automation Engineer Technology (2050 assoc)	0	2	1

of Graduates

Graduates	2018-2019	2019-2020	2020-2021	Total
Automation Engineer Technology (2050 assoc)	12	7	6	25