

Mechatronics Program Enrollment and Retention Data

Mechatronics AAS Program Enrollment	
Semester	Number Enrolled
Fall 2018	215
Fall 2019	194
Fall 2020	147
Fall 2021	126
Fall 2022	100
Fall 2023	86
Fall 2024	81

Retention Data		
Semester	Fall-to-Spring Retention Rates	Fall-to-Fall Retention Rates
Fall 2018	83.7%	68.4%
Fall 2019	83.5%	69.1%
Fall 2020	74.1%	67.3%
Fall 2021	82.5%	68.3%
Fall 2022	86.0%	73.0%
Fall 2023	77.9%	65.1%

Data Source(s): Institutional Research and Effectiveness, census data

Mechatronics Program Graduation

AAS Program Graduates by Academic Year	
Academic Year	Number of Graduates
2018/2019	62
2019/2020	71
2020/2021	43
2021/2022	36
2022/2023	40

Graduation Rates* by First-Time Freshman Cohort						
Cohort Year	Graduated in 1 Year	Graduated in 2 Years	Graduated in 3 Years	Graduated in 4 Years	Graduated in 5 Years	Graduated in 6 Years
Fall 2018	0%	18%	24%	27%	31%	31%
Fall 2019	0%	16%	26%	33%	33%	35%
Fall 2020	0%	7%	17%	17%	17%	17%
Fall 2021	2%	41%	55%	55%	55%	55%
Fall 2022	0%	17%	24%	24%	24%	24%

*This data is based *only* on first-time freshmen students who graduate with the AAS in Mechatronics degree in the listed years. Dually enrolled high school students are excluded; see below for more details on dual enrollment students.

The Mechatronics Program offers dually enrolled high school students the opportunity to take courses for completing the AAS in Mechatronics degree. Because of the special circumstances of dual enrollment students and their differing timelines compared to first-time freshmen, they are excluded from the first-time freshmen cohorts used to calculate the above graduation rates. To ensure these unique dual enrollment students are still captured within Mechatronics Programmatic data, the number of dual enrollment graduates per academic year is provided below.

Dual Enrollment Graduates by Academic Year	
Academic Year	Number of Dual Enrollment Graduates
2019/2020	5
2020/2021	12
2021/2022	4
2022/2023	18
2023/2024	17

GPA for AAS Mechatronics Graduates	
Academic Year	Average Graduating GPA
2018/2019	3.25
2019/2020	3.27
2020/2021	3.42
2021/2022	3.33
2022/2023	3.41
2023/2024	3.31
Overall Average	3.33

Data Source(s): Institutional Research and Effectiveness, census data and graduation data

Mechatronics Program Certifications

Siemen's Level 1 Pass/Fail Rates		
Year	Number Attempting	Pass Rates
2018	121	92%
2019	79	78%
2020	64	80%
2021	81	83%
2022	38	89%
2023	30	87%

Siemen's Level 2 Pass/Fail Rates		
Year	Number Attempting	Pass Rates
2018	49	43%
2019	52	46%
2020	50	66%
2021	35	46%
2022	29	65%
2023	38	37%

Data Source: Siemens Mechatronic Systems Certification Program

Mechatronics Program Employment Data

Job Placement Rates for Mechatronics AAS graduates				
Academic Year	Total Number of Graduates	Total Placeable *	% Employed@	% In-field#
2018/2019	62	32	91%	50%
2019/2020	71	17	100%	65%
2020/2021	43	3	67%	0%
2021/2022	35	2	50%	50%
2022/2023	40	21	100%	57%

* Total Placeable graduates: The number of job placeable program graduates after accounting for exemptions such as medical, family, volunteer work and furthering education

@ % Employed: The percentage of placeable graduates that are employed in *any* field within one year of graduating

% In-Field: The percentage of placeable graduates that are employed in a field *related to their degree* within one year of graduating

Average Salaries of Mechatronics Program Graduates*	
Years Since College	Median Annual Wages (adjusted for inflation)
1 Year	\$46,000
2 Years	\$54,000
3 Years	\$58,000
4 Years	\$62,000
5 Years	\$62,000
6 Years	\$65,000

*This data is based on Motlow State Mechatronics program graduates only.

Data Source(s): Tennessee Board of Regents Careers Start Here Dashboard