

Gadsden State Community College

Transfer Pathway with Jacksonville State University

Articulation Agreement for Mechatronics, Robotics & Automation and Integrated Studies

This chart reflects current curriculum for the A.A.S. in Mechatronics, Robotics & Automation and the Bachelor of Arts degree in Integrated Studies.

Gadsden State Community College

Mechatronics, Robotics & Automation A.A.S.

This chart shows how the GSCC hours will be articulated toward the BA in Integrated Studies.

GSCC Item#	GSCC Course Title	GSCC Hours	JSU Articulated Course*	JSU Hours
Area I – Written Composition				
ENG 101	English Composition I	3	EH 101	3
Area II – Humanities and Fine Arts				
	Humanities/Fine Arts Elective	3	Fine Art or Humanities	3
Area III – Natural Sciences and Mathematics				
INT 104	Principles of Technology	3		
MTH 100	MTH 100: Intermediate College Algebra OR numerically higher	3	MS 100	3
Area IV – History, Social, and Behavioral Sciences				
	History, Social, and Behavioral Sciences Elective	3	History or Social Science	3
Area V – Professional, Major, and Elective Courses				
EET 100	Introduction to Engineering Technologies	3	INS 100+ Elective	3
EET 109	Electrical Blueprint Reading I	3	INS 100+ Elective	3
EET 114	Concepts of Solid-State Electronics	5	INS 100+ Elective	5
EET 115	Concepts of Digital Electronics	5	INS 100+ Elective	5
	ELT 100 or EET 192	3	INS 100+ Elective	3
	INT 101 or EET 103	3	INS 100+ Elective	3
	INT 103 or EET 104	3	INS 100+ Elective	3
INT 113	Industrial Motor Control I	3	INS 100+ Elective	3
INT 117	Principles of Industrial Mechanics	3	INS 100+ Elective	3
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3	INS 100+ Elective	3
INT 139	Introduction to Robotic Programming	3	INS 100+ Elective	3
	ELT 231 or INT 184	3	INS 100+ Elective	2
	ELT 117 or INT 206	3		
	ELT 122 or INT 211	3		
ORI 101	Orientation to College	1	General Elective 100+	1
WKO 101	Workplace Skills Development I	1		
Additional Coursework – Choose 13 credit hours from the following list:				
CIS 146	Computer Applications	3	CS 201	3 (if taken)
EET 197	Selected Topics EET	3		
EET 225	Electronics Communications	3		
EET 276	Elements of Industrial Controls with PLCs II	3		
EET 277	Elements of Industrial Controls with PLCs II Lab	2		
EET 278	Advanced Robotics	5		

ELT 114	Residential Wiring Methods	3		
ELT 115	Residential Wiring Methods II	3		
	ELT 118 or INT 158	3		
ELT 212	Motor Controls II	3		
ELT 232	Advanced Programmable Controllers	3		
ELT 244	Conduit Bending and Installation	3		
INT 119	Principles of Mechanical Measurement and Technical Drawing	3		
INT 126	Preventive Maintenance	3		
INT 127	Principles of Industrial Pumps and Piping	3		
INT 128	Principles of Industrial Environmental Controls	3		
INT 129	Industrial Safety and Maintenance	3		
INT 134	Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3		
INT 180	Special Topics	2		
INT 252	Variable Speed Motor Drives	3		
INT 280	Special Topics in Industrial Maintenance Technology	3		
INT 291	Cooperative Education	3		
INT 292	Cooperative Education	3		
INT 297 A	Co-Op	1		
INT 297 B	Co-Op	1		
INT 297 C	Co-Op	1		
INT 297 D	Co-Op	1		
INT 298	Co-Op	2		
MDT 105	Introduction to Computer – Aided Design (CAD)	3		
MTT 123	Engine Lathe Lab I	3		
MTT 134	Lathe Operations I	3		
MTT 137	Milling I	3		
MTT 148	Introduction to Machine Shop I Lab	3		
SPH	Fundamentals of Oral Communication	3	EH 141	3 (if taken)
	TOTAL Hours	76		51

*INS 100+ and 200+ Electives do not count toward the 40 required hours of AHSS coursework in the Bachelor of Arts in Integrated Studies

Jacksonville State University

Bachelor of Arts in Integrated Studies

This chart shows the remaining courses and hours to be completed at JSU for the BA in Integrated Studies (120 total hours).

Course	Description	JSU Hours
MS 110	Finite Mathematics (or higher)	3
EH 141	Speech	3
EH 101	English Composition I	0
EH 102	English Composition II	3
	History Sequence	0**
	History Sequence	3
	Social or Behavioral Science	3**
	Social or Behavioral Science	3
	Literature	0*
	Fine Arts	3*
	Jax MIX Expression Course (Literature, Fine Art, Foreign Language, or Humanities)	3*
	Science with Lab	4
	Science with Lab	4
	Integrated Studies Support Courses 100+ and 200+ Level (43 hours) - MS 100 (3) - ORI 101 – Gen Elective 100+ (1) - EET, ELT, and/or INT Courses - INS 100+ and 200+ Electives – Technical Specialty Courses (38) - Must take one hour of AHSS coursework to get the required 40 hours	1
	Integrated Studies Major Courses (36 hours) 300- or 400-level coursework with a grade of C or better in each course	36
	TOTAL Hours	69

*The Area II Humanities and Fine Arts Elective taken at GSCC will count for one of these courses.

**The Area IV History, Social, and Behavioral Sciences Elective taken at GSCC will count for one of these courses.

Other Requirements:

- Students must complete a total of 40 hours of AHSS coursework beyond the Jax MIX General Education Curriculum.
 - Please see the JSU Undergraduate Catalog's entry for the [Bachelor of Arts in Integrated Studies](#) for more details, including a list of Arts, Humanities, Social Sciences, and Science (AHSS) subjects
- At least half of the bachelor's degree (60 hours) must be taken at a four-year institution
- At least 25% of the bachelor's degree must be taken at JSU
- A minimum of 36 hours must be taken at the 300/400 level with a C or better
- No more than 46 hours of nontraditional credit will be accepted
- JSU does not accept the following types of coursework for transfer: co-op, preceptorship, internship, clinical, practicum, directed study, or seminar.
- Each student's transcript will be evaluated for additional general education transfer credits. Additional Technical Specialty coursework may be transferred in as INS electives, as needed, in accord with all current JSU policies and practices.