

Gadsden State Community College

Transfer Pathway with Jacksonville State University

Articulation Agreement for Industrial Automation Technology and Integrated Studies

This chart reflects current curriculum for the A.A.S. in Industrial Automation Technology and the Bachelor of Arts degree in Integrated Studies.

Gadsden State Community College

Industrial Automation Technology 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 Arts Elective or Literature	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 & Behavioral Science	3
Area V – Professional, Major, and Elective Courses				
EET 100	Introduction to Engineering	3	INS 100+ Elective	3
EET 109	Electrical Blueprint Reading I	3	INS 100+ Elective	3
ELT 110	Wiring Methods	3	INS 100+ Elective	3
	ELT 118 or INT 158	3	INS 100+ Elective	3
	ELT 231 or INT 184	3	INS 100+ or 200+ 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	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 126	Preventive Maintenance	3	INS 100+ Elective	3
INT 127	Principles of Industrial Pumps and Piping Systems	3	INS 100+ Elective	3
INT 134	Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3	INS 100+ Elective	2
ORI 101	Orientation to College	1	GE100+ General Elective	1
WKO 101	Workplace Skills Development	1		
Additional Coursework – Choose 20 credit hours from the following list				
CIS 146	Computer Applications	3	CS 201	(3 if taken)
EET 278	Advanced Robotics	5		
INT 119	Principles of Mechanical Measurement and Technical Drawing	3		
INT 128	Principles of Industrial Environmental Controls	3		

INT 139	Introduction to Robotic Programming	3		
INT 140	F.A.M.E. Manufacturing Core Exercise 1, Safety Culture	1		
INT 142	F.A.M.E. Manufacturing Core Exercise 2, Workplace Visual Organization (5S)	1		
INT 144	F.A.M.E Manufacturing Core Exercise 3, Lean Manufacturing	1		
INT 146	F.A.M.E Manufacturing Core Exercise 4, Problem Solving	1		
INT 148	F.A.M.E Manufacturing Core Exercise 5, Machine Reliability	1		
INT 153	Precision Machining Fundamentals	3		
INT 180	Special Topics	2		
INT 206	Industrial Motors I	3		
INT 211	Industrial Motors II	3		
INT 252	Variable Speed Motor Drives	3		
INT 253	Industrial Robotics	3		
INT 280	Special Topics in Industrial Maintenance Technology	3		
INT 291	Cooperative Education	3		
INT 292	Cooperative Education	3		
INT 293	Cooperative Education	3		
INT 296	Co – Op	1		
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		
ELT 114	Residential Writing Methods	3		
ELT 115	Residential Writing Methods II	3		
ELT 117	AC/DC Machines	3		
ELT 122	Advanced AC/DC Machines	3		
	ELT 183 or INT 129	3		
ELT 212	Motor Controls II	3		
ELT 232	Advanced Programmable Controllers	3		
ELT 244	Conduit Bending and Installation	3		
ACR 111	Principles of Refrigeration	3		
ACR 112	HVACR Service Procedures	3		
MDT 105	Introduction to Computer – Aided Design (CAD)	3		
SPH 106	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) - MS100 - Intermediate Algebra or higher (3) - ORI 101 - GE100 General Elective (1) - EET, ELT, and/or INT Technical Specialty Courses = INS 100+ and 200+ Electives (38) - Must Take AHSS course to get to 40 required hours (1)	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.