TRANSFER PATHWAY GUIDE

ROBOTICS

Construction & Robotics Eng. Technology, B.S.

FAMU

School of Architectural & Engineering Technology

Guide No. SAET-01

At-A-Glance

Minimum GPA
2.5

Limited Access
No

Additional Program Application
No

Test Required
No

Online Option
No

Total Credits
63

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are ***required*** to have ***two*** years of Foreign Language study ***prior*** to graduation with a bachelor's degree from Florida A&M University.
- Civic Literacy Requirement must be met prior to graduation.

RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

FALL	SPRING
ENC 1101 Communication Skills I (3)	ENC 1102 Communication Skills II (3)
MAC 1114 Trigonometric Functions (3)	PHY 2053 College Physics I (PHY 2048, PHY2049) (3)
Social Science Elective - (Civic Literacy Requirement) (3)	PHY 2053L College, I Physics Lab (1)
EGS 1000 Intro to Engineering Technology (1)	CHM 1030 Intro Chemistry for Non-Science Majors (3)
EET 2035C Electrical Fundamentals w/Lab (3)	EET 2036C Electrical Fundamentals II w/Lab (3)
Humanities Elective (3)	BCN 3731 Construction Safety & OSHA Certification (3)
Total Credits: 16	**Total Credits: 16**

YEAR 2

FALL	SPRING
ENC 3243 Technical Report Writing (3)	Social Science Core (3)
STA 2023 Statistics (MAC 2312) (3)	Humanities Core *(PHI 2010 Recommended)* (3)
ENG 1110C Eng. Graphics I (w/AutoCAD) (2)	MAC 2311 Calculus w/ Analytic Geometry I (4)
EET 2150C Electronic Devices & Circuits w/ Lab (3)	ENG 1112C Engineering Graphics II (AutoCAD) (3)
SUR 2140 Elementary Surveying (3)	EET 4165 Electronic Design w/Lab (3)
SUR 2140L Elementary Surveying Lab (1)	
Total Credits: 15	**Total Credits: 16**

JOB OUTLOOK

The Robotics Technology Specialization prepares students for careers involving the design, implementation, testing, and maintenance of automated and robotic systems. Students gain hands-on experience with electronics, sensors, control systems, programming, robotics integration, and emerging technologies used to improve productivity and operational efficiency.

Career Opportunities

- Project Manager
- Software Developer
- Artificial Intelligence Support Specialist
- Mechatronics Technician
- Robotics Engineer
- Engineering Manager
- Systems Engineer

NEXT STEPS

1. Finish recommended pre-transfer courses
2. Complete your Associate Degree (A.A./A.S./A.A.S.)
3. Apply to FAMU
4. Meet with your transfer academic advisor
5. Enroll, graduate, and strike forward in your career!

CONTACT US

Program Website
https://www.famu.edu/academics/all-programs/saet/

Contact:
Dr. Deirdre McRoy
Director, Academic Support Services
(850) 412-7815
deirdre.mcroy@famu.edu

TRANSFER PATHWAY GUIDE

CONSTRUCTION ENGINEERING & MANAGEMENT

Construction & Robotics Eng. Technology, B.S.

FAMU

School of Architectural & Engineering Technology

Guide No. SAET-02

At-A-Glance

Minimum GPA
2.5

Limited Access
No

Additional Program Application
No

Test Required
No

Online Option
No

Total Credits
62

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are ***required*** to have ***two*** years of Foreign Language study ***prior*** to graduation with a bachelor's degree from Florida A&M University.
- Civic Literacy Requirement must be met prior to graduation.

RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

FALL	SPRING
ENC 1101 Communication Skills I (3)	ENC 1102 Communication Skills II (3)
MAC 1114 Trigonometric Functions (3)	PHY 2053 College Physics I (PHY 2048, PHY2049) (3)
EGS 1000 Intro to Engineering Technology (1)	PHY 2053L College, I Physics Lab (1)
BCN 1221C Building Construction (3)	CHM 1030 Intro Chemistry for Non-Science Majors (3)
EET 2035C Electrical Fundamentals w/Lab (3)	BCN 3240 Construction Equipment & Operations (2)
Humanities Elective (3)	BCN 3731 Construction Safety & OSHA Certification (3)
Total Credits: 16	Total Credits: 15

YEAR 2

FALL	SPRING
ENC 3243 Technical Report Writing (3)	Social Science Core (3)
STA 2023 Statistics (MAC 2312) (3)	Humanities Core *(PHI 2010 Recommended)* (3)
ENG 1110C Eng. Graphics I (w/AutoCAD) (2)	MAC 2311 Calculus w/ Analytic Geometry I (4)
BCN 2230 Materials & Methods of Construction. I (3)	ENG 1112C Engineering Graphics II (AutoCAD) (3)
SUR 2140 Elementary Surveying (3)	BCN 3271 Construction Documents I (3)
SUR 2140L Elementary Surveying Lab (1)	
Total Credits: 15	Total Credits: 16

JOB OUTLOOK

The Construction Engineering & Management Specialization prepares students for careers in the construction industry, equipping them with the knowledge and skills needed to plan, coordinate, and manage residential, commercial, industrial, and infrastructure projects. Students develop competencies in construction methods, estimating, scheduling, safety, project management, contracts, and construction technologies, enabling them to oversee projects from conception through completion.

Career Opportunities

- Project Engineers
- Field Engineers
- Estimators
- Assistant Project Managers
- Project Manager
- Construction Manager
- Superintendent

NEXT STEPS

1. Finish recommended pre-transfer courses
2. Complete your Associate Degree (A.A./A.S./A.A.S.)
3. Apply to FAMU
4. Meet with your transfer academic advisor
5. Enroll, graduate, and strike forward in your career!

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TRANSFER PATHWAY GUIDE

ARCHITECTURAL STUDIES

Bachelor of Science (B.S.)

FAMU

School of Architectural & Engineering Technology

Guide No. SAET-03

At-A-Glance

Minimum GPA
2.5

Limited Access
Yes

Additional Program Application
Yes

Test Required
No

Online Option
No

Total Credits
60

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are ***required*** to have ***two*** years of Foreign Language study ***prior*** to graduation with a bachelor's degree from Florida A&M University.
- Civic Literacy Requirement must be met prior to graduation.

RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

FALL	SPRING
ENC 1101 Communication Skills I (3)	ENC 1102 Communication Skills II (3)
MAC 1105 College Algebra or higher (3)	MAC 1147 Pre-Calculus (or higher 4-credit hour Math Course) (4)
ARC 1003 Orientation to Architecture (1)	ARC 1160 Computer Applications in Arch I (1)
ARC 1301 Architectural Design I (4)	ARC 1302 Architectural Design 2 (4)
AMH 2091 African-American History -or- AFA 2000 African American Studies -or AFA 3104 (a required African-American History University specified elective) (3)	Any State-approved Humanities course (3)
ARC 1112 Architecture Drawing Methods (1)	
Total Credits: 15	Total Credits: 15

YEAR 2

FALL	SPRING
ARC 2470 Intro to Technology in Architecture (3	ARC 2162 Computer Applications in Arch 3 (1)
PHY 2053 College Physics I (or equivalent General Physics course) (3)	Any State-approved Natural Science course (3)
ARC 2161 Computer Applications in Arch 2 (1)	ARC 2304 Architectural Design 4 (5)
ARC 2201 Theory in Architecture I (3)	ARC 2501Architectural Structures I (3)
ARC 2303 Architectural Design 3 (5)	ARC 2701 Archtiectural History I (3)
Total Credits: 15	Total Credits: 15

JOB OUTLOOK

A Bachelor of Science in Architectural Studies provides a strong foundation in design, construction, sustainability, technology, and the built environment. Graduates can pursue careers in architecture, planning, design, construction, and real estate, or continue their education in a professional architecture program.

Career Opportunities

- Architectural Designer
- Urban Planner Assistant
- Construction Project Coordinator
- Space Planner
- Historic Preservation Specialist
- 3D Visualization Specialist
- Facilities Planning Coordinator

NEXT STEPS

1. Finish recommended pre-transfer courses
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