



AAS in Robotics Technology to
Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration
Guided Pathway
Effective for the 2020-2021 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
◌ MATH 1414 College Algebra	RBTC 1305 Robotic Fundamentals
RBTC 1343 Robotics	RBTC 1351 Robotic Mechanisms
RBTC 1301 Programmable Logic Controllers	◌ MATH 2412 Pre-Calculus
COSC 1315 Introduction to Computer Programming	COSC 1336 Programming Fundamentals I
◌ ENGL 1301 Composition I	RBTC 1347 Electro-Mechanical Devices

Total Semester Hours: 16

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Second Year – Central Texas College

It's best to apply to Midwestern State University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
◌ ELEC Creative Arts	RBTC 1355 Sensors
COSC 1337 Programming Fundamentals II	RBTC 2339 Robot Programming and Diagnostics
◌ ELEC Social/Behavior Science Selection	RBTC 2345 Robot Application, Set-Up, and Testing
RBTC 1345 Robot Interfacing	RBTC 1391 Special Topics in Robotics Technology
◌ PHYS 1401 College Physics I	

Total Semester Hours: 16

Total Semester Hours: 12

AAS: Robotics Technology

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**Third Year – Midwestern State University Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
ENGL 1153 –Communication II core	Life & Physical Science core
Lang, Phil/Culture core	Cultural & Global Understanding
HIST 1133 (1301) U.S. History from 1865	HIST 1233 (1302) U.S. History since 1865
POLS 1333 (GOVT) core	POLS 1433 (GOVT)core
Undergraduate Inquiry	

Total Semester Hours:15

Total Semester Hours: 12

**Fourth Year – Midwestern State University Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
TECH 3103 – Safety Technology	TECH 4103 - Innovation
TECH 3113 – Quality Technology	TECH 4113 – Facilities Design
TECH 3133 – Manufacturing Technology	TECH 4123 – Energy Technology
TECH 3143 – Production Planning	TECH 4133 – Construction Technology
TECH 3153 – Project Planning	BAAS 3113, Internship or Elective Course
TECH 3163 – Supply Technology	BAAS 4113 - Capstone

Total Semester Hours:18

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This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

* You may take a different course to meet this requirement. A specific list is available from your advisor.

◌ This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Midwestern State University.

*For questions about the University portion of this pathway,
Contact the BAAS Office at (940) 397-4400 or email: baas@msutexas.edu.*