TRANSFER PATHWAY GUIDE
2023-2024

Associate of Applied Science in Engineering and Electronics Technology – Robotics and Automation Track to Bachelor of Science in Mechatronics Engineering Technology

Overview
Completion of the following curriculum will satisfy the requirements for the Associate of Applied Science (AAS) in Engineering and Electronics Technology-Robotics and Automation Track degree at a Kentucky Community and Technical College System (KCTCS) institution and leads to the Bachelor of Science (BS) in Mechatronics Engineering Technology degree at Northern Kentucky University (NKU).

Applying to the KCTCS2NKU Program
Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at their KCTCS institution, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at their KCTCS institution.

Degree Requirements for KCTCS
1) Minimum cumulative GPA 2.0, 2) minimum of 25 percent of credit hours required for the degree earned at the institution awarding the degree, and 3) demonstration of digital literacy.

Admission Requirements to NKU

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students must have an overall GPA of 2.0 and meet all prerequisites for courses and requirements for the major. A minor is not required for this major.

General Transfer Information

Students must complete the online application to NKU. There is no application fee for students who are transferring from a KCTCS institution.

KCTCS Scholars Award: Students who are KY residents transferring directly from a KCTCS institution with at least 36 hours from that institution and minimum GPA of 3.0, were never enrolled as a degree-seeking student at NKU, and will be enrolled in at least 12 credit hours both fall and spring semester are eligible for a limited number of $2,500 annual scholarships ($1,250 per fall and spring). Students must gain admission to NKU by June 15 for fall and November 1 for spring to be eligible for a possible scholarship. Online accelerated programs are not eligible for the KCTCS Scholars Award.

KCTCS AAS IN ENGINEERING AND ELECTRONICS TECHNOLOGY ROBOTICS AND AUTOMATION TRACK TO NKU BS IN MECHATRONICS ENGINEERING TECHNOLOGY CHECKLIST

Kentucky Community and Technical College System

Category 1: KCTCS General Education Requirements

KCTCS Course	Course or Category	Credits	NKU Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
TBS XXX	Oral Communication (OC)	3	TBD XXX	
MAT 150 or MAT 126 or TBS XXX	College Algebra (QR) or Technical Algebra and Trigonometry (QR) or Higher Level (QR) Course	3	(MAT 102 or MAT 103) + MAT 100T MAT 100T TBD XXX	
SOC 101	Introduction to Sociology (SB)	3	SOC 100	
TBS XXX	Arts & Humanities (AH) - Heritage or Humanities	3	TBD XXX	
PHY 171 or PHY 201/202 or TBS XXX	Applied Physics (NS) or College Physics I and Lab (SL) or Natural Science with consent of program coordinator (NS)	3-5	PHY 110 PHY 211/200T TBD XXX	
	Subtotal General Education Courses	18-20		

TBS XXX means to be selected by KCTCS student.
TBD XXX means to be determined by NKU based on course selected.

A grade of A or B in MAT 150 equates to MAT 103 + MAT 100T. Grade of C or D in MAT 150 equates to MAT 102 + MAT 100T.

Category 2: KCTCS Technical Core Requirements for the AAS in Engineering and Electronics Technology

KCTCS Course	Course or Category	Credits	NKU Course	Completed
ELT 110 or IMT 110 and IMT 111	Circuits I (preferred) or Industrial Maintenance Electrical Principles and Lab	5	EGT 161 or EGT 100T and EGT 100T	
ELT 114	Circuits II	5	EGT 243	
ELT 120	Digital I	3	EGT 300T	
ELT 210	Devices I	4	EGT 300T	
ELT 289	Engineering and Electronics Technology Capstone Course	1	UND 100T	
CAD 100 or BRX 120 or TBS XXX	Introduction to Computer Aided Design or CAD Fundamentals or			

Category 4: NKU Additional General Education Courses

NKU Course	Course or Category	Credits	KCTCS Course	Taken at KCTCS
TBS XXX	Self and Society	6		
TBS XXX	Culture and Creativity	3		
TBS XXX	Global Viewpoints	3		
	Subtotal General Education Credit Hours	12		

Category 5: NKU Major Requirements for BS in Mechatronics Engineering Technology

NKU Course	Course	Credits	KCTCS Course	

NKU Course	Course or Category	Credits	KCTCS Course	Taken at KCTCS
Take at CState (equates to EGT 140)	Power Systems Foundations (PSET 140 at Cincinnati State)	1		
Take at CState (equates to EGT 151)	Introduction to Controls and Robotics (EMET 150 at Cincinnati State)	2		
Take at CState (equates to EGT 210)	Energy Efficiency and Audits (EMET 210 at Cincinnati State)	3		
Take at CState (equates to EGT 325)	Solar and Renewable Energy (EMET 225 at Cincinnati State)	3		
EGT 450	Thermodynamics and Heat Transfer	3		
EGT XXX	Select 6 additional credit hours of EGT courses	6	ELT 260 = EGT 320	x (3 cr.)
	Additional Track Credit Hours	15		

Category 8: NKU Requirements for the Laser Technology Track

NKU Course	Course or Category	Credits	KCTCS Course	Taken at KCTCS