

<b>NorthWest Arkansas Community College</b>	<b>Technical Certificate for Bike Assembly and Repair Technician 2022 Degree Plan</b>
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Student Name:	Student ID #:
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**39-40 Hours**

**Program Mission Statement:** The principle mission of the NWACC Bicycle Assembly and Repair Technician Certificate is to prepare students for immediate employment in technical positions in the bicycle industry, including preparing students with the skills needed to meet challenges, think critically, solve problems, and position themselves for future success. The TC in Bicycle Assembly and Repair stacks completely into the Associate of Applied Science in General Technology.

**Program Learning Outcomes:** Curriculum developed from [Accredited Barnett Manual](#) - Barnett Bicycle Institute

At the end of this program, students will be able to:

- Assemble and repair all types of bicycles currently in use.
- Apply foundational skills and knowledge to continuing professional development in response to changes in bicycle technology.
- Apply knowledge of systems and measures to find solutions to novel repair situations.
- Student is able to provide solutions that balance business, customer, and professional goals.
- Demonstrate ethical conduct in all job and personal cycling activities that maintains an image appropriate for the profession.

<u>General Education (6-7 Hours)</u>	<u>Required BIKE Courses (27 Hours)</u>	<u>Technical Support Courses (6 Hours)</u>
ENGL 1013 English Composition I MATH 1003 Survey of Technical Math OR higher level math	BIKE 1003 Introduction to Bicycle Mechanics BIKE 1013 Basic Bicycle Mechanics BIKE 1023 Bicycle Braking Systems BIKE 1033 Bicycle Drivetrain Systems BIKE 1043 Ball Bearing Systems BIKE 2013 Bicycle Wheel Repair and Assembly BIKE 2023 Suspension Systems BIKE 2033 Electric Bikes BIKE 2043 Service Department Operation	COMM 1303 Public Speaking BADM 2513 Business Organization and Management

**>>>Check the college catalog for possible prerequisites before enrolling in classes>>>**

<u>POSSIBLE PLACEMENT REQUIREMENTS</u>		
<p>These courses are for developing college level skills.</p> <p>NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> MATH 0012 Foundations of Quantitative Literacy</li> <li><input type="checkbox"/> MATH 0013 Pre-algebra</li> <li><input type="checkbox"/> Math 0022 Foundations of Beginning Algebra</li> <li><input type="checkbox"/> MATH 0053 Beginning Algebra</li> <li><input type="checkbox"/> MATH 0103 Intermediate Algebra</li> <li><input type="checkbox"/> MATH 0112 Foundations of College Algebra</li> <li><input type="checkbox"/> MATH 0214 Foundations of Algebra-STEM</li> <li><input type="checkbox"/> ENGA 0033 College Reading**</li> <li><input type="checkbox"/> ENGA 0063 Intermediate Writing</li> <li><input type="checkbox"/> ENGA 0093 Reading and Writing Studio</li> <li><input type="checkbox"/> ENGA 0091 Academic Literacy Lab**</li> <li><input type="checkbox"/> ENGC 0033 College Reading &amp; Vocabulary**</li> <li><input type="checkbox"/> ENGC 0043 Communication &amp; Culture</li> <li><input type="checkbox"/> ENGC 0131 Comp Review</li> </ul> <p>These hours will not fulfill any degree requirements at NWACC. These courses will not transfer to a four year institution</p>		