LOOK INSIDE TO DISCOVER WHAT MAKES BBI THE PREMIER CHOICE OF PRO AND ENTHUSIAST MECHANICS ALIKE!
PHILOSOPHY AND INSTRUCTION

Bicycle Mechanics is not an art. Whether tightening a bolt or making a bearing adjustment, we believe measurement quickly achieves consistent and accurate results. We strive to eliminate subjectivity in every way. This means that you don’t have to “get it,” or have “a knack.” We believe we are unique in this philosophy.

Our commitment to help you learn after leaving the classroom is unmatched. By providing you with written materials in excess of the subject matter covered in class, and by providing you with detailed worksheets that guide you through all procedures down to the last detail, you will have us at your side for years after you leave our classroom.

INCOMPARABLE PERSONAL ATTENTION

Larger classes would enable us to boast about our total enrollment, but would you benefit? With no less than 2 instructors in the labs at any time, our low student/teacher ratio guarantees you a level of personal attention that can’t be matched!

CERTIFICATION & TESTING WITH REAL VALUE

As long as we have been training mechanics, we have been testing mechanics. Although certification is new to the bike industry, it’s not at all new to us. In fact, we have been closely associated with every movement to initiate industry-sanctioned certification since the mid 80’s. The original BBI Certification is now known as BSE Certification.
A BIT ABOUT OUR FOUNDER

John Barnett
Founder & Managing Editor, Barnett’s Manual DX

As the founder of Barnett Bicycle Institute, John Barnett is a true pioneer in the cycling industry. His unmatched experience and vision translates naturally to his role of over thirty years training and professionalizing mechanics. The first industry expert to offer independent bicycle mechanic training, Barnett has had high standards from the beginning. With the core philosophy of shedding light on what has previously been considered the ‘dark arts’ of bicycle mechanics and instead embracing scientific repeatable and quantifiable processes, he has truly made the field accessible to aspiring mechanics of all experience levels. Since 1989, Barnett has written the most comprehensive technical manual for professional mechanics – Barnett's Manual: Analysis And Procedures For Bicycle Mechanics, which was in publication until 2007 and is now exclusively digitally distributed as Barnett's Manual DX. Barnett has also served as a columnist and associate editor for bicycle-industry consumer and trade periodicals, an inventor and manufacturer of physical and digital tools for bicycle mechanics, and a tool design consultant to major bicycle industry tool companies. Barnett was also one of the founders of the Bicycle Standard of Excellence (BSE), a national organization that has been certifying professional mechanics since 1998.

TOP INSTRUCTORS IN THE INDUSTRY

All of BBI’s instructors are certified by the Colorado Department of Higher Education, Private Occupational School Board. Additionally, all of the instructors are BSE certified mechanics.

John Ellis
Instructor

With 20 years of technical bike industry experience under his belt, there’s not much John can’t do. A cornerstone of the BBI classroom and a contributor to the Barnett’s Manual DX, he has been a BBI instructor for 10 years and is a BSE Certified Master Mechanic. Extensive knowledge and an unending curiosity of the unknown feeds his drive to investigate and deliver the very best information to his students. When he’s not researching, teaching, or shredding trails, John plays guitar and paints.

Our graduates report a 94% satisfaction rating with the bikes and lab materials used in class.
Kate Brandon
Instructor
Kate has an expansive career in managing retail service departments. Her wide range of exposure gives her a unique ability to tailor her teaching to many different types of students. From small family-run stores to multi-store chains, she has first-hand experience and her messaging helps bring the training in to focus for all applications. Kate has been riding bikes since she was four years old and is a BSE certified Master Mechanic.

Graham Thompson
Instructor
Graham’s passion for teaching and bicycle mechanics is evident in his enthusiastic style. His service-first focus and retail experience offer a unique perspective beyond just “nuts and bolts” instruction. Working in the bicycle industry since 2003, Graham’s experience runs the gamut from IBD to national retail operations for a major multi store organization. His background gives him a rare holistic view that he is eager to share. When not at the school or on a bicycle, Graham is an avid outdoor enthusiast.
TOP QUALITY TOOLS
BBI has invested the money to equip every bench with a full selection of the most expensive tools, such as milling tools, frame and fork alignment tools, specialized suspension tools, tension meters, digital calipers, and multiple torque wrenches.

More importantly, BBI has an extremely close relationship with major tool manufacturers, and regularly consults with these manufacturers during their development of prototypes. Our students get a discount on tool purchases from United Bicycle Supply company.

And when we don’t think anyone makes the right tool for the job, we produce it!

OPTIMIZED EQUIPMENT SELECTION
Here at BBI we have a huge fleet of bicycles (with the latest equipment), partial bicycles, and wheels devoted solely to use in the classroom. Each workstation is equipped with a mountain bike, a road bike, and a touring bike, as well as numerous other individual components. All of the bicycles are used exclusively for classroom purposes, with equipment selected and set up for the sole purpose of optimizing your learning.
GREAT PROGRAM CHOICES

OUTSTANDING TECHNICAL PROGRAMS

Bicycle Assembly & Maintenance (BAM)
This course is suited to shop assemblers, home mechanics, and fleet maintenance personnel. All aspects of assembling, adjusting, and basic maintenance of derailleur bikes are covered. BAM is excellent preparation for students wishing to continue to the highest level of training in the Bicycle Repair & Overhaul course and also for experienced assemblers who would like to take the BSE Level 1 Certification.

Interested in wheel building? This course can be expanded by taking the Spoked Wheel Lacing (SWL) supplement.

Spoked Wheel Lacing (SWL)
This program is a three-hour supplement to Bicycle Assembly & Maintenance that covers the skill of assembling a hub, spokes and a rim into a wheel. Enrollment is limited to those taking the BAM program.

The material in this program is included in Bicycle Repair & Overhaul (BRO). Students enrolling in the BAM and BRO courses together will not need to take this course except for the purpose of getting extra repetition with the skill of wheel building.

Bicycle Repair & Overhaul (BRO)
This course is the definitive program for shop mechanics. It is an eighty-hour program that provides training in all the most common and advanced skills and knowledge of a bicycle mechanic, including frame preparation (milling and basic aligning), bearing service, drive train service, wheel building, wheel repair, brake service, component fit and compatibility, wear and failure analysis, and troubleshooting. There are no prerequisites for this program, but taking Bicycle Assembly & Maintenance first is strongly encouraged for less experienced mechanics or those wishing to brush up on the basics.

Suspension Service & Tuning (SST)
SST acquaints the mechanic with service and tuning techniques used on many current front and rear suspension systems. Spring changes, travel changes, oil changes, damping system service, seal service, and bushing service are all covered in this in-depth program. Students will achieve the highest level of skill attainable for suspension service specialists.
PRACTICAL BUSINESS PROGRAMS

Effective Sales of Service (ESS)
ESS focuses on the specialized skills it takes to be effective at selling repair work to customers. Learn the techniques needed to optimize customer satisfaction and shop profits. ESS is a supplemental course to Bicycle Repair & Overhaul.

Managing the Service Department (MSD)
MSD is a program that focuses on setting up and managing a bicycle service department for optimum efficiency, quality, and profitability. The program is based on using computerized management tools for pricing labor, managing mechanic's productivity and quality, scheduling mechanics, and managing tool inventory. This tutorial is indispensable whether setting up a service department from scratch or trying to breathe life back into a struggling one. MSD is a supplemental course to Bicycle Repair & Overhaul.

BSE CERTIFICATION

Bicycle Standard of Excellence Certification
Bicycle Standard of Excellence (BSE) is a certifying standard that has been actively certifying bicycle mechanics since 1998. BSE is comprised of practical and written tests that thoroughly evaluate an individual’s mastery of the field of bicycle mechanics. There is no other certification that matches the BSE’s overall evaluation of an individual mechanic’s comprehensive training and ability.

BSE Level 1 Certification
This program is a half-day practical test that evaluates the ability to perform all the tasks that may be found in any bicycle assembly or maintenance scenario. This includes wheel truing, bearing adjustments, handlebar and seat installation, derailleur setup and adjustments, and brake setup and adjustments. By passing the test, the student earns a certificate that confirms a demonstrated ability to assemble a bicycle to the most demanding standards.

BSE Level 2 Certification
This program is a one-day combination of practical and written tests that evaluate the ability to perform all the tasks that are part of a bicycle mechanic’s job description. The test assesses the understanding of component fit and compatibility, parts failure, and troubleshooting. These are the key areas of experience and knowledge that differentiate an assembler from a mechanic. By passing the test, the student earns a certificate that confirms a demonstrated ability to repair a bicycle to the most demanding standards.

Our instructors are all certified by the Colorado Department of Higher Education, Private Occupational School Board.

Visit www.bbinstitute.com for more information on BSE Certification.
SUPERB COURSE MATERIALS

TEXTBOOK
Since BBI uses the digitally-published *Barnett's Manual DX* as the textbook in every class, you’ll never need to take notes, you’ll never need to rely on memorization, and you’ll leave BBI with far more information than was covered in class. In publication and continuously updated since 1990, the manual consists of much more than just a textbook for classes at BBI. With over 50,000 copies sold, bike shops and individuals across the U.S. and around the world rely on *Barnett's Manual* as their only procedural manual. And, as you undoubtedly will also find, all of these users consider *DX’s* 13,000+ screens of information, its thousands of hi-resolution color photos, and its mouse-click-quick hyperlink navigation to be a unique and indispensable way to access all the information you need to keep up in the rapid change world of bicycle technology.

In order to put the most up-to-date information in your hands, you’ll leave with a version of *DX* that includes the latest updates, even when those updates have not yet been published for the public. If you already own a recent *Barnett's Manual*, you’ll be upgraded to the latest pre-publication version at no additional charge!

COURSEBOOK
Every student also receives a coursebook. Depending on the program being taken, the coursebook includes up to 400 pages of detailed step-by-step lab worksheets and independent-study materials. These materials include: guidelines for additional reading to expand on each day’s classroom topics; self assessment and evaluation forms that help you gauge your learning progress; hundreds of troubleshooting and compatibility questions to help you explore the depths of your resources; and guides for your independent study of the hundreds of equipment samples we have at BBI that cover such things as common types of wear and damage, unusual types of wear and damage, and special equipment configurations.

DIGITAL INSTRUCTION
Workbenches at BBI are computerized. You see a procedure first when a live instructor demonstrates it, then you see it again during the following lab work by means of a “digital instructor” on an overhead computer monitor. And, of course, live lab supervisors are right there to assist you whenever you need extra guidance or feedback.

We are sure you will find there’s nothing like this wide array of course materials in use at any other bicycle-mechanics training program!
WHERE ARE OUR GRADUATES?

BBI’s graduates are among the most professional and highly qualified mechanics. We often find BBI graduates working for highly reputable retailers and manufacturers in the industry. Park Tool Company, Trek Bicycles, Giant Bicycles, SRAM, Shimano, Santa Cruz, Mavic, Cane Creek, Rock Shox, Quality Bicycle Products, and REI all employ or have employed BBI graduates.
BARNETT BICYCLE INSTITUTE TOOLS

BBI tools reflect the same commitment to getting the job done right that BBI is known for. Tools may be purchased through select distributors or by visiting www.bbinstitute.com/store.

FORK BUSHING TOOL (FBT-3)
One of the fundamental purposes to servicing suspension forks is to replace the bushings before the uppers are damaged. The FBT-3 is a single tool that removes and installs suspension fork slider bushings from most major suspension fork manufacturers with total precision and control, and with zero risk of marring the lowers.

The FBT-3 fits all forks with stanchion diameters of 32mm, 34mm, 35mm, 36mm, 38mm, and 40mm.

NOTE: The FBT-3 can be special-ordered with any combination of collet sizes. Specify FBT-3R for RockShox only (32, 35, and 40). FBT-3F for Fox only (32, 34, 36, and 40 only.) Price will vary with configuration.

**Basic Tool (includes collet for 32mm forks and spacer for 32–36mm forks)**  
$269.00

**Collet for 34mm forks (spacer comes with Basic Tool)**  
$30.00

**Collet for 35mm forks (spacer comes with Basic Tool)**  
$30.00

**Collet for 36mm forks (spacer comes with Basic Tool)**  
$33.00

**Collet for 38mm forks (Big Spacer needed with this size)**  
$36.00

**Collet for 40mm forks (Big Spacer needed with this size)**  
$39.00

**Big Spacer for 38–40mm forks**  
$10.00

**Total of individual parts**  
$447.00

**Standard Set price (includes spare-parts kit)**  
$429.00

BBI tools reflect the same commitment to getting the job done right that BBI is known for. Visit www.bbinstitute.com/store to order exclusive BBI Tools, apparel and software, as well as other high-quality tools made by industry leaders.
Universal Shaft Clamp Set (SCS-7)
In the realm of suspension service, there are significant challenges that exist to securely hold all the various sizes of damper and air-spring-cartridge shafts and cylinders. The SCS-7 has 15 sizes of precision clamps that allow the mechanic to easily secure every damper or spring assembly part from most major suspension manufacturers. Precision fit and extra deep engagement make the tool quick and easy to use. When used correctly, clamped parts never slip or get scratched by the tool.
$127.00

Torque Wrench Adapter (TWA-2)
The TWA-2 is an adapter that allows proper torque to be applied to pedals, hub locknuts, threaded head-sets, bottom-bracket lockrings, and every other fastener that requires a flat bicycle-specific wrench. The adapter attaches to a 3/8” drive torque wrench and allows the mechanic to reach correct torque precisely without any recalculation of the torque setting.
$66.00

Front Derailleur Rotation tool (FDR-1)
The FDR-1 is a plate that installs on the chainring and aligns the outer plate of the derailleur cage. Front derailleur alignment is critical to accurate shifting and the FDR-1 facilitates easy rotational alignment.
$15.00

Front Derailleur Wedge (FDW-2)
BBI’s FDW-2 is made of durable aluminum and has incremental steps that help position the front derailleur optimally in order to adjust height. Different slopes on each end of the tool make it work with a wider range of front derailleurs.
$15.00

Chain Size Simulator (CSS-1):
BBI’s CSS-1 is precision-cut plate steel and simulates the final size of the chain. Use it to keep the chain where you want it while pushing rivets out and in or while installing master links. Graphic illustrations show where to cut for a chain using a master link or a replacement rivet.
$22.50

Visit our website or contact us for a greater selection of BBI Tools, apparel and other brand products.
https://www.bbinstitute.com/store
manager@bbinstitute.com
**BEYOND THE CLASSROOM**

**FABULOUS LOCATION**
**AT THE BASE OF THE ROCKY MOUNTAINS**

- Quickly accessible from north/south and east/west interstates.
- Major airport – direct flights from much of the country.
- Hot springs about an hour away.
- Seven major ski resorts an easy day trip from BBI.
- TOP-NOTCH ROAD BIKING, MOUNTAIN BIKING, AND HIKING.
- Famous for a temperate climate and weather.

We have created nine ride maps of rides originating at BBI:

- Our road ride maps feature ten rides ranging from 10 to 55 miles in length, which range from 600 to 5000 feet of climbing.
- Our off-road ride maps feature seventeen rides ranging from 3 to 34 miles in length and which range from 525 to 6000 feet of climbing, and the trails start one block from BBI!
- Can’t bring a bike? Next-door Red Rock Canyon and one-mile-away Garden Of The Gods parks have spectacular scenery and dozens of trails that would take literally days to hike in their entirety.
- Our points-of-interest maps feature 9 nearby bike shops (over 20 are in Colorado Springs), two historic districts, Cave of the Winds, a cog railway to the top of Pikes Peak (14,115 feet), plus attractions and facilities such as natural food stores, several nature parks, two major malls, a dirt-jump park, a huge bike & skate park, a restaurant/brew-pub district, a YMCA, a velodrome, and the Olympic Training Center.

**HOTEL**

BBI maintains partnerships with local hotels to ensure the best possible lodging quality and reduced rates for our students. Reserve a nearby room and pay the room deposit and balance directly with BBI.

Visit [www.bbinstitute.com/lodging](http://www.bbinstitute.com/lodging) for details and booking, or call BBI at 719-632-5173 to reserve both your class space and your lodging.
CONTACT BBI TODAY FOR MORE DETAILS AND CURRENT CLASS AVAILABILITY.

BBINSTITUTE.COM

PHONE: 719.632.5173
MANAGER@BBINSTITUTE.COM
2725 ORE MILL ROAD #23
FAX: 719.632.4607
COLORADO SPRINGS, CO 80904