

Great Bay Community College

CATALOG ADDENDUM 2017-2018

Updated as of 5/22/17

APRIL 2017

- Reactivation of course effective Fall 2017
 - FREN110G French I 4-0-4 A fully integrated introductory French course. The course is designed for beginning French students, with little or no prior knowledge of French. It is directed for students whose learning objectives and needs are in any of the following categories: for French language students, for business purposes as well as for travelers. The emphasis is to develop proficiency in basic communicative skills concentrating on the dynamic application of the living language taught through dialogue, phonetics, and vocabulary. A strong grammar foundation and other basic language skills are taught through actual phrases and sentences. These objectives will be achieved through the following approaches: speaking, listening, reading, writing, and cultural appreciation. (Fulfills Foreign Language requirement.)

- New courses effective Fall 2017
 - MOTR110G Product, PDI, and Dealer Experience 2-4-4 The purpose of this course is for students to be introduced to basic processes related to preparation and delivery of motorcycles, and to understand basic procedures involved in the set-up and delivery process. Students will learn and apply procedures, use reference materials, become familiar with shop practices relevant to set-up and delivery. In addition, students will be introduced to basic organizational practices and receive an overview of maintenance workflow from intake and service writing, set-up, and delivery. Prerequisite: Acceptance to program. Co-requisites: MOTR120G and MOTR130G.

 - MOTR120G Powertrains: Engine, Drivetrain, and Transmission 2-4-4 This course introduces students to internal combustion engines, transmissions, fuel systems, and provides students with opportunities to use and apply references information to understanding, diagnosing, and

resolving basic powertrain problems. Students will learn, practice, and demonstrate mastery of making accurate measurements using precision tools, and work on all basic aspects of the drivetrain. Students will disassemble and reassemble drivetrain components to understand the function and potential problems with these components. Students will focus on shop safety, and review and practice professional communication skills throughout the course. Prerequisite: Acceptance to program. Co-requisites: MOTR110G and MOTR130G.

- MOTR130G Electrical Systems and Electrical Service Procedures 2-4-4 In this course, learn basic aspects of electrical system diagnosis and service, as well as relevant theoretical understanding of electrical system theory. In addition, students will learn, practice, explain, and demonstrate mastery of electrical service procedures. Prerequisite: Acceptance to program. Co-requisites: MOTR110G and MOTR120G.
- MOTR140G Wheels, Tires, and Brakes 2-4-4 In this course, students will learn inspection procedures, service, and repair of wheels, tires, and brakes for various models of motorcycles. In addition, students will learn, practice, explain, and demonstrate mastery of the recommended service procedures and preventative maintenance of wheels, tires, and brakes at specified intervals. Prerequisites: Successful completion of MOTR110G, 120G, and 130G, or permission of program coordinator.
- MOTR150G Capstone: Servicing Motorcycle Families 4-8-8 This course will focus on the procedures and knowledge required to service contemporary models of motorcycles, including: Sportster, Dyna, Softail, Street, FL, and Trike. Students will integrate and apply knowledge from previous courses to all aspects of each type of motorcycle. Areas of focus will include inspection and maintenance of powertrain elements, electrical systems, scheduled service procedures, wheels, tire, and brakes, preparing motorcycles for service, and delivering motorcycles when service is completed. Students will periodically observe professional technicians working in similar circumstances in the maintenance shop of the dealership. Prerequisites: Successful completion of MOTR 110G, 120G, and 130G, or permission of program coordinator. Co-requisite: MOTR140G.

- New program effective Fall 2017
 - Motorcycle Maintenance & Repair Technology 24 credits
 - ? MOTR110G 2-4-4
 - ? MOTR120G 2-4-4
 - ? MOTR130G 2-4-4
 - ? MOTR140G 2-4-4
 - ? MOTR150G 4-8-8

Motorcycle Maintenance and Repair Technology Certificate Program

The 24-credit motorcycle technology program will prepare students for entry-level positions in service, repair, and maintenance of motorcycles. Topics will include pre-delivery inspection (PDI), tires, wheel bearings, brakes, scheduled service, oil change, moving motorcycles, road tests, model theories, understanding and managing shop workflow, establishing a strong work ethic, conducting multi-point inspections, state inspections, obtaining a motorcycle license, and related lifelong learning. Note: The Motorcycle Maintenance and Repair Technology Certificate Program is pending financial aid approval.

Students will be able to:

The goal of the Motorcycle Technician program is to prepare the student to work in the increasingly sophisticated and complex field of motorcycle technology through a combination of classroom instruction and hands-on skill development. Technicians must be able to work with electronic diagnostic equipment, read and understand technical manuals, investigate to find the cause of a problem, and connect effectively with the customer. Students will use a variety of tools, including both manual and high tech equipment to assess, identify problems, and perform repairs.

After successful completion of the program, students will be able to:

- Demonstrate skills and knowledge required to assume the role of a qualified, entry-level motorcycle maintenance professional, include pre-delivery inspection (PDI), tires, wheel bearings, brakes, scheduled service, oil changes, moving motorcycles, road testing, shop workflow, multi-point inspections, and state inspections.
- Demonstrate safe and appropriate use and care of tools and equipment in the motorcycle maintenance lab.
- Diagnose, repair and document motorcycle systems including powertrains, electrical systems, wheels, tires, and brakes.
- Inspect a vehicle, use a diagnostic approach to determine cause of operating problems, and decide action to take; complete a NH State Motorcycle Inspection.

- Compare and contrast alternate actions to determine whether to repair or replace a part.
- Use appropriate software and digital equipment to retrieve information, diagnose and analyze problems, and report outcomes.
- Communicate effectively with coworkers and customers.

Technical Standards: The program includes work in a motorcycle lab and requires participants to physically perform functions that require the following:

- Normal vision for reading instructions and performing tasks, including inspecting parts for quality (corrective vision is acceptable).
- Mobility and strength for performing tasks that require reaching, walking, standing, and safely lifting and moving motorcycles of varying sizes and weights.
- Ability to hear sounds of equipment, for equipment operation and safety.

Admissions Requirements:

- Complete an application for the program.
- Provide proof of high school completion or equivalent.
- Provide an official copy of prior college transcripts, if appropriate.
- Possess a valid NH motorcycle license.

Health and Safety Considerations

The program includes work in an motorcycle technology lab where potentially hazardous equipment and materials are used. Students will be taught industry standards for safety and will be expected to follow all safety procedures. Personal protective equipment must be worn. Students will provide their own safety glasses, and boots or shoes.

Fall Semester	(12 weeks)	Cr
MOTR 110G	Product, PDI, and Dealer Experience	4
MOTR 120G	Powertrains: Engine, Drivetrain, and Transmission	4
MOTR 130G	Electrics Systems and Electrical Service Procedures	4
		Total 12
Spring Semester	(12 weeks)	
MOTR 140G	Wheels, Tires, and Brakes	4
MOTR 150G	Capstone: Servicing Motorcycle Families	8
		Total 12
Total credits		24

MAY 2017

- Corrections
 - 2018 Calendar Spring Semester Classes Begin January 16 (not January 17)
 - Biological Science AA Degree Sub-Total Credits within the major are 20 (not 35) and Total Degree Credits are 61 (not 62)
 - Business Administration AS Degree's Math Elective does not need an asterisk
 - ACM256G Composites Repair Technician 1-3-2 (not 0-4-2)
 - AVTN160G Private Pilot II Ground Prerequisite is MATH150G/152G or higher (not AVTN150G/152G or higher)
 - HOS280G 0-9-3 This course is designed to enrich the student's academic learning experience by integrating classroom theory and on-the-job experience in the hospitality industry. With coordinator assistance, the student will self-place into an internship site at which practical experience related to the hospitality industry can be acquired. Students must work at least 100 hours and complete an internship portfolio as part of final requirements for this course. Prerequisites: HOS110G and HOS210G.

JUNE, 2017

Corrections - English AA Degree

*ENGL Survey Course Electives choices are ENGL209G: American Literature through the Civil War, ENGL220G: American Literature after the Civil War, ENGL223G: British Literature to 1800, and ENGL224G: British Literature from 1800 to the present. (Catalog list cut off after ENGL209G)

First Year—Fall (includes both three 200 level English Electives and three ENGL Survey Course Electives, not six ENGL Survey Course Electives)

ENGL 110G: College Composition I	4
CRIT 150G: Critical Thinking	3
MATH Elective (145G or 147G*)	4
ENGL 1XXG: 100 Level English Elective (any except ENGL 117G)	3
TOTAL	14

First Year—Spring

ENGL 214G: Intro. to Creative Nonfiction	3
MATH Elective (225G, 215G, or 170G*)	4
ENGL 127G: Intro. to Literary Analysis	3
ENGL 2XXG: 200 Level Survey Elective	3
TOTAL	13

First Year—Summer

Social Science Elective	3
TOTAL	3

Second Year—Fall

ENGL 2XXG: 200 Level Survey Elective	3
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ENGL 2XXG: 200 Level English Elective	3
Lab Science Elective	4
Social Science Elective	3
Foreign Lang./Hum./Fine Arts Elective	3
TOTAL	16
Second Year—Spring	
ENGL 2XXG: 200 Level Survey Elective	3
ENGL 2XXG: 200 Level English Elective	3
ENGL 2XXG: 200 Level English Elective	3
Social Science Elective	3
Lab Science Elective	4
TOTAL	16
TOTAL 62 credits	