

**For More Inquiries about accreditation and continuing education please contact:*

Student Services Department

Studentservices@eascarpenterstech.edu

Phila, DE, Allentown (215) 824-2300 – Edison (732) 372-6020 – Hammonton, Sicklerville (609) 567-5675

FLOOR LAYERS PROGRAM – YEAR 1

NEW COURSE NUMBER	COURSE TITLE AND DESCRIPTION	CONTACT HOURS
MATH100A	<p>INTRODUCTORY CONCEPTS OF MATHEMATICS</p> <p>This course covers basic treatment of trade math beginning with general math, fractions, decimals, ratios and percentages. Early layout theory in spacing of framing using linear measurements and quantitative material take-off is introduced.</p> <p><i>Students must complete both classes to receive credit.</i></p>	16
ARCH100A	<p>ARCHITECTURAL DRAWINGS & BLUEPRINT READING I</p> <p>This course will build upon the students' basic mathematics, trigonometry, measurement skills and knowledge by accurately using math when reading blueprints. Reading blueprints, measuring, layout, fabrication and other functions specific to the carpentry trade require accurate calculations and measurements for the success of any job. Reading blueprints accurately will contribute to a timely and successful job.</p> <p><i>Students must complete both classes to receive credit.</i></p>	16
SFHT150	<p>OSHA10 AND FORKLIFT CERTIFICATION</p> <p>This course provides entry level construction workers with a general awareness on how to recognize and prevent hazards on a construction site. The training covers a variety of construction safety and health hazards that a worker may encounter at a construction site. Students earn OSHA10 certifications. This is a 4 hour class that will teach user basic operations and safety measures when using a forklift.</p> <p><i>Students must complete both classes to receive credit.</i></p>	15
CONT150	<p>INTRODUCTION TO CARPETS, LAYOUT AND INSTALLATION TECHNIQUES</p> <p>Students will learn how to shape and cut materials to specified measurements. Carpet identification and construction, room layouts, cove base install, knifing techniques, residential rotogravure install will also be covered.</p> <p><i>Students must complete both classes to receive credit.</i></p>	52
CONT151	<p>TILE INSTALLATION I</p> <p>Students will shape and cut materials to specified measurements and apply various seaming methods with assorted materials. Using mastics and adhesives, students will apply cove base and sheet vinyl in mock-up booths in shop area.</p> <p><i>Students must complete both classes to receive credit.</i></p>	54
CONT152	<p>CONCRETE FLOOR POLISHING</p> <p>This 40 hour hands-on course takes the participant through the steps for preparation, burnishing and polishing concrete slab floors using the WerkMaster Ultra Floor Systems and Solutions equipment.</p>	40
CONT190	<p>CONSTRUCTION INTERNSHIP I</p>	1800

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TOTAL 193

FLOOR LAYERS PROGRAM – YEAR 2

NEW COURSE NUMBER	COURSE TITLE AND DESCRIPTION	CONTACT HOURS
MATH110A	INTRODUCTORY CONCEPTS OF GEOMETRY This course covers basic treatment of trade geometry beginning with calculating the areas of rectangles, squares and triangles. Early layout theory using geometric measurements and quantitative material take-off is introduced. Students will also have a complete review of area, perimeter and general math.	16
ARCH110A	ARCHITECTURAL DRAWINGS & BLUEPRINT READING II Using structural drawings, students will determine elevations to footers and foundations. The engineering behind what type of foundation is required to support a structure will be reviewed. Students will work with engineered shop drawings and apply them to architectural designs. Finally, students will be exposed to ANSI, ASTM, ACI testing methods.	16
CONT153	ADHESIVES AND MATERIALS Safe handling of adhesives and materials as well as installation of flash cove welded seams-inside and outside corners.	16
CONT154	HARD COURT INSTALLATION Installation of hardwood floors found in auditorium and sports surfaces will be addressed.	56
CONT155	CARPETINSTALLATION CERTIFICATIONS Students will learn flash cove with boot plug and Armstrong modified V plug. Koolglide seaming methods will be applied by students. Students will also practice the installation of stretch in carpet with inserts and borders. Note this is a certified class.	68
CONT199	CONSTRUCTION INTERNSHIP II This course consists of paid OJT, internship, or practicum performed in a business, industry, trade, or technical career setting within the student’s occupational area. The contact hours experienced through on-the-job training will be verified by an employer or union official and will be placed on the student’s record. There are specific competencies from work experience required.	1800
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FLOOR LAYERS PROGRAM – YEAR 3

NEW COURSE NUMBER	COURSE TITLE AND DESCRIPTION	CONTACT HOURS
MATH120A	<p>GEOMETRIC MEASUREMENT I</p> <p>This course focuses on how to calculate the area and volumes of rooms. Students will convert square units of measurement from one unit of measure to another, using percentages to calculate waste. Take-off from a blueprint to determine material quantities and costs will also be addressed. Using blueprints, students will estimate material needs as well as factoring in for waste, errors & omissions.</p> <p><i>Students must complete both classes to receive credit.</i></p>	24
ARCH250	<p>ARCHITECTURAL DRAWINGS & BLUEPRINT READING III</p> <p>Students will be responsible for a take-off from a blueprint to determine material quantities and costs. Scaling drawings for rough estimates will also be covered.</p> <p><i>Students must complete both classes to receive credit.</i></p>	24
CONT250	<p>FLOOR COVERING MATERIALS AND ADHESIVES</p> <p>Characteristics and history of various types of resilient floor covering materials, adhesives, underlayment and material handling devices, tools and tool maintenance will be addressed. Students will engage in A) Scribing projects with three wall scribing method and cove base; B) Tack strip and cushion install; C) Seam cutting methods for carpet and hot melt seaming; and D) Stretch in project with seams.</p>	24
CONT251	<p>INSTALLATION TECHNIQUES</p> <p>Students will be instructed in diagonal Installation, Sheet Goods Install, Feature Strip and Border Install and Sheet Goods Scribing</p>	48
CONT252	<p>UNDERLAYMENT & MATERIAL HANDLING DEVICES I</p> <p>This course introduces the learner to what underlayments are, and why they are used. Specific types of tools to apply these products are also introduced.</p>	24
CONT253	<p>SEAMING AND STRETCHING</p> <p>This class will cover the following topics: Proper seam construction; Length grain seams and placement; Cross grain seams and placement; Transition installation and placement; Floor preparation; Power stretching procedures; and Trimming and tucking</p>	48
CONT290	<p>CONSTRUCTION INTERNSHIP III</p> <p>This course consists of paid OJT, internship, or practicum performed in a business, industry, trade, or technical career setting within the student's occupational area. The contact hours experienced through on-the-job training will be verified by an employer or union official and will be placed on the student's</p>	1800

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FLOOR LAYERS PROGRAM – YEAR 4

NEW COURSE NUMBER	COURSE TITLE AND DESCRIPTION	CONTACT HOURS
MATH230A	<p>GEOMETRIC MEASUREMENT II Applying formulas for various polygons to determine volume and area for material take-off is the focus of this class. Area measurements of geometrical figures, floor covering mathematics, and estimating tile patterns and circular layout will be addressed.</p> <p><i>Students must complete both classes to receive credit.</i></p>	16
CONT254	<p>ARENA, AUDITORIUM & DEPARTMENT STORE LAYOUT Layout for sports arenas, auditoriums and department stores will be covered including: A) Concrete slab installation, properties of concrete, porosity, curing time, control and expansion joints B) Latex and asphalt based underlayment and use of extenders resilient wall covering; C) Installation of parquet, floating and mastic wood systems; D) Specialty floor materials such as poured troweled floors of magnesite and latex terrazzo.</p>	40
CONT255	<p>SPECIALTY FLOOR APPLICATIONS Specialty type floor applications and installation procedures will be covered. This is mostly hands-on in the shop/classroom.</p>	56
CONT256	<p>UNDERLAYMENT & MATERIAL HANDLING DEVICES II This class is continuation of different types of underlayments used before finish product is applied.</p>	24
CONT257	<p>CARPET INSTALLATION FOR STAIRS Stair stretching, seaming and kicking on various types of stair systems will be addressed.</p>	40
ARCH 251	<p>ARCHITECTURAL DRAWINGS & BLUEPRINT READING IV Quantity computations for various types of commercial & industrial installation and specifications will be addressed. Students will be able to read and interpret finish schedules for final product placement.</p> <p><i>Students must complete both classes to receive credit.</i></p>	16
CONT299	<p>CONSTRUCTION INTERNSHIP IV This course consists of paid OJT, internship, or practicum performed in a business, industry, trade, or technical career setting within the student's occupational area. The contact hours experienced through on-the-job training will be verified by an employer or union official and will be placed on the student's</p>	1800

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