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ABSTRACT

This publication contains statewide standards for the masonry program in Georgia. The standards are divided into 12 categories: foundations (philosophy, purpose, goals, program objectives, availability, evaluation); admissions (admission requirements, provisional admission requirements, recruitment, evaluation and planning); program structure (curriculum design, program numbering system, program consistency, exit points, credentials, course code, course consistency, course sequence, electives, course transferability); program evaluation and planning (program evaluation; program planning; enrollment, graduation, and placement levels; attrition levels; student performance); instructional program (course content; course objectives; course instruction; occupation-based instruction; evaluation of students; grading system; laboratory management; equipment, supplies, and materials; physical facility); academic skills (academic requirements); employability skills (job acquisition, job retention and advancement); staff (faculty qualifications and responsibilities); advisory committee (function, membership, meetings); special needs (commitment); equity (commitment); and health and safety (commitment). Each standard consists of these components: standard statement, explanatory comment, and evaluative criteria. (YLB)

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MASONRY PROGRAM STANDARDS

**Developed and Produced
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MASONRY PROGRAM STANDARDS

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The development of Masonry program standards is a significant step for technical education and economic development in Georgia. These standards represent a statewide commitment to provide consistent, quality technical education, to equip our graduates with the background and skills necessary to meet their individual occupational needs, and to meet the currently expanding needs of the Georgia employment market.

Many people have contributed time, effort, and expertise to the standards development project. The Georgia Board of Technical and Adult Education, the Board's Standards Committee, the standards development committee, and the project staff have worked diligently to make the establishment of these standards a reality. Robert Mabry and John Lloyd of the Georgia Department of Technical and Adult Education have provided initiative and direction for the project. Patt Stonehouse, acting Director of Instructional Services, has provided invaluable assistance in planning and monitoring the project.

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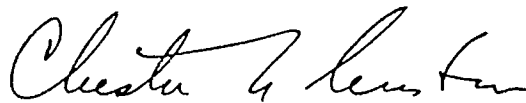
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MASONRY PROGRAM STANDARDS

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HOW TO USE THIS MANUAL

- Tab Dividers** This document is divided into sections, each section being divided from the others by means of a section-identifier tab. Each section contains standard(s) pertaining to a particular category of standards.
- Table of Contents** The Table of Contents lists the tabbed categories of standards plus the title and identifier number for each standard within each tabbed section.
- Numbering System** Each standard has a unique six-digit identifier number. The number is divided into three sets of two-digit couplets, each set being divided by a dash.
- Example: 03-04-05...
03 indicates standard document #3 (i.e., The Electronic Engineering Standards document).
04 indicates section #4 in the document (i.e., The Program Evaluation and Planning standards section).
05 indicates standard #5 within section four (i.e., The Student Performance standard within the Program Evaluation and Planning standards section).
- Finding a Standard** Standard identifier numbers appear in the upper right-hand corner of each page. To find a given standard, refer to the Table of Contents to find the identifier number of the standard of interest, select the appropriate section tab, and find the desired standard within the selected tab section.
- Amendments** Registered manual holders are instructed to keep their manuals updated as amendments are disseminated.
- Document Transmittal** All new or revised documents are sent to the registered holder of the manual and are recorded on a Manuals Document Transmittal Form. Transmittals are numbered consecutively, and instructions for use are printed on the form.
- Amendment Record** The registered holder of the manual records the receipt of all Manual Document Transmittals on the Amendment Record. This record and instructions are found on the reverse side of the manual title page.

MASONRY

FOUNDATIONS
(Philosophy)

Standard Statement

A philosophy statement is developed expressing the beliefs and values that govern the content and conduct of the Masonry program.

Explanatory Comment

A statewide program philosophy statement is developed and provided for the Masonry program. The statewide philosophy statement may be augmented at the local level so that the unique circumstances of the community may be accommodated.

The Masonry program philosophy statement expresses the fundamental educational and occupational principles that guide the instructional process.

Evaluative Criteria

The Masonry program has a clearly defined, written philosophy statement that is reviewed by the program faculty, the administration, and the program advisory committee.

Any addition to the Masonry program philosophy statement is developed by the program faculty, the administration, and the program advisory committee.

The philosophy of the Masonry program is in accordance with the philosophy of the Georgia Board of Technical and Adult Education and reflects the beliefs, values, and attitudes of the institution, the instructional field, the community, and the employment market.

The philosophy of the Masonry program determines the unique role of the program in meeting the technical educational needs of the students, the community, and the employment market.

The philosophy of the Masonry program reflects a desire to achieve educational excellence.

The philosophy of the Masonry program reflects a commitment to meet the needs of business and industry.

MASONRY

The philosophy of the Masonry program includes a nondiscrimination statement pertaining to race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, and economic disadvantage.

The philosophy statement of the Masonry program is approved by the administration of the institution.

MASONRY

PHILOSOPHY

The basic beliefs, attitudes, and concepts that are the foundation of the Masonry program are expressed in the following statements.

Masonry is a program of study which is compatible with the policies of the Georgia Board of Technical and Adult Education and encourages each Masonry program student to benefit and contribute as a partner in the economic development and stability of Georgia. The philosophy of the Masonry program is founded on the value attributed to individual students, the masonry profession, and technical education.

The Masonry program of study is consistent with the philosophy and purpose of the institution. The program provides academic foundations in communications, mathematics, and human relations, as well as occupational fundamentals. Program graduates are well grounded in the fundamentals of masonry theory and application and are prepared for employment and subsequent upward mobility.

The Masonry program is a program that provides the student with necessary knowledge and skills to adapt to a variety of positions in the masonry profession. Important attributes for success of program graduates are critical thinking, problem solving, human relations skills, and the ability to apply technology to work requirements.

The program structure acknowledges individual differences and provides opportunities for students to seek fulfillment of their educational goals. The program does not discriminate on the basis of race, color, national origin, religion, sex, handicapping condition, academic disadvantage, or economic disadvantage.

To assist each student to attain his or her respective potential within the program, both the instructor and the student incur an obligation in the learning process. The instructor is a manager of instructional resources and organizes instruction in a manner which promotes learning. The student assumes responsibility for learning by actively participating in the learning process.

This is a highly skilled field which requires attention to current curriculum and up-to-date instructional equipment. The Masonry program must promote the concept of change as the profession evolves. The need for nurturing the spirit of involvement and life-long learning is paramount in the masonry field.

MASONRY

FOUNDATIONS (Purpose)

Standard Statement

A purpose statement delineating the instructional services which the Masonry program provides is developed and implemented.

Explanatory Comment

A statewide purpose statement is developed and provided for the Masonry program. The statewide purpose statement may be augmented at the local level so that the unique circumstances of the community may be accommodated.

A major purpose of the Masonry program is to meet community and employment market needs for education in masonry.

Evaluative Criteria

The Masonry program has a clearly defined, written purpose statement that is reviewed by the program faculty, the administration, and the program advisory committee.

Any addition to the Masonry program purpose statement is developed by the program faculty, the administration, and the program advisory committee.

The purpose of the Masonry program is in accordance with the purpose of the Georgia Board of Technical and Adult Education and the institution.

The purpose of the Masonry program reflects the values and beliefs expressed in the program philosophy.

The purpose of the Masonry program includes a nondiscrimination statement pertaining to race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, and economic disadvantage.

The purpose statement of the Masonry program is approved by the administration of the institution.

MASONRY

PURPOSE

The purpose of the Masonry program is to provide educational opportunities to individuals that will enable them to obtain the knowledge, skills, and attitudes necessary to succeed in the field of masonry as brick and block layers or tile setters.

The Masonry program provides educational opportunities regardless of race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, or economic disadvantage.

The Masonry program is intended to produce graduates who are prepared for employment equivalent to that of a one year apprentice brick and block mason or a one year apprentice tile setter. Program graduates are to be competent in the general areas of English, math, and interpersonal relations. Graduates are to be competent in the occupational areas of interpreting blueprints and specifications, material selection, masonry bonds and patterns, and laying masonry units to the line.

Graduates are to be competent in one of two occupational specializations. Graduates specializing as brick and block masons are to be competent in constructing various masonry structures such as footings, foundations, walls, columns, piers, pilasters, fireplaces and chimneys, and various ornamental masonry structures. Graduates specializing as tile setters are to be competent in preparing surfaces and setting and curing tiles and accessories.

MASONRY

FOUNDATIONS (Goals)

Standard Statement

A program goals statement focuses the efforts of the Masonry program.

Explanatory Comment

A statewide goals statement is developed and provided for the Masonry program. The statewide program goals statement may be augmented at the local level so that the unique circumstances of the community may be accommodated.

Goals are broad statements of intent that delineate the achievements the Masonry program seeks to attain. Goals are stated in non-quantifiable terms.

Evaluative Criteria

The Masonry program has a clearly defined, written goals statement that is reviewed by the program faculty, the administration, and the program advisory committee.

Any addition to the Masonry program goals statement is developed by the program faculty, the administration, and the program advisory committee.

The goals of the Masonry program are in accordance with the philosophy and purpose of the program.

The goals of the Masonry program reflect a desire to provide exemplary occupational/technical education.

The goals of the Masonry program reflect a commitment to assisting students to achieve successful employment in the masonry field.

The goals of the Masonry program are the basis for the development of program objectives.

The goals of the Masonry program include a nondiscrimination statement pertaining to race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, and economic disadvantage.

MASONRY

The goals statement of the Masonry program is approved by the administration of the institution.

MASONRY

GOALS
(Process)

The goals of the Masonry program are to:

1. Provide education which acknowledges individual differences and respects the right of individuals to seek fulfillment of educational needs.
2. Provide an environment which encourages the individual to benefit and contribute as a partner in the economic progress, development, and stability of Georgia.
3. Provide education which develops the potential of each student to become a productive, responsible, and upwardly mobile member of society.
4. Provide quality masonry education in an atmosphere that fosters interest in and enthusiasm for learning.
5. Prepare graduates to function as accountable and responsible members within their field of endeavor.
6. Prepare graduates to function as safe and competent practitioners in the masonry field.
7. Prepare program graduates with the highest level of competence possible given the constraints of the interests and ability levels of the individual.
8. Provide educational and related services without regard to race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, or economic disadvantage.
9. Foster employer participation, understanding, and confidence in the instructional process and the competence of Masonry program graduates.

MASONRY

**FOUNDATIONS
(Program Objectives)**

Standard Statement

An objectives statement based on established program goals is developed for the Masonry program.

Explanatory Comment

A statewide objectives statement is developed and provided for the Masonry program. The statewide program objectives statement may be augmented at the local level so that the unique circumstances of the community may be accommodated.

Program objectives are desired program outcomes stated in measurable, temporal, and operational terms.

Evaluative Criteria

The Masonry program has a clearly defined, written objectives statement that is reviewed by the program faculty, the administration, and the program advisory committee.

Any addition to the Masonry program objectives statement is developed by the program faculty, administration, and the program advisory committee.

An essential objective of the Masonry program is to prepare students for successful employment in the masonry field.

The objectives of the Masonry program stress learning outcomes, efficiency, enrollment, public relations, and other outcomes that impact on program quality.

A major objective of the Masonry program is student achievement of identified exit point competencies.

The objectives of the Masonry program include a nondiscrimination statement pertaining to race, color, national origin, religion, sex, age, handicapping condition, academic disadvantage, and economic disadvantage.

The objectives statement of the Masonry program is approved by the administration of the institution.

MASONRY

OBJECTIVES
(Process)

The objectives of the Masonry program are to:

1. Provide current curriculum, instructional materials, and equipment (in accordance with available funding) which teach knowledge, skills, and attitudes appropriate to industry needs.
2. Provide educational facilities which foster learning and provide safe, healthy environments available and accessible to all students who can benefit from the program.
3. Provide academic instruction which supports effective learning within the program and which enhances professional performance on the job.
4. Provide employability skills which foster work attitudes and work habits that will enable graduates of the program to perform as good employees.
5. Nurture the desire for learning so that graduates will pursue their own continuing education as a lifelong endeavor.
6. Provide an educational atmosphere which promotes a positive self-image and a sense of personal well-being.
7. Provide education that fosters development of good safety habits.
8. Provide admission, educational, and placement services without regard to race, color, national origin, religion, sex, age, or handicapping condition.
9. Provide information to the public regarding the program that will facilitate recruitment and enrollment of students.
10. Promote good public relations via contacts and regular communications with business, industry, and the public sector.
11. Promote faculty and student rapport and communications to enhance student success in the program.

MASONRY

FOUNDATIONS
(Availability)

Standard Statement

Written philosophy, purpose, goals, and objectives statements for the Masonry program are made available to the staff of the institution and the general public.

Explanatory Comment

Published Masonry program philosophy and purpose statements are important recruitment tools that help students to select programs that meet their needs.

Evaluative Criteria

The philosophy and purpose statements of the Masonry program are published and made available to the staff of the institution and the general public.

Written goals and objectives are available for the Masonry program.

Masonry program philosophy, purpose, goals, and objectives statements are used by student personnel services to aid in recruiting and placing students.

MASONRY

FOUNDATIONS
(Evaluation)

Standard Statement

The philosophy, purpose, goals, and objectives of the Masonry program are evaluated.

Explanatory Comment

The evaluation of the Masonry program philosophy, purpose, goals, and objectives assists the program in meeting student, community, and employment market needs.

Evaluative Criteria

Formal evaluation of the philosophy, purpose, goals, and objectives of the Masonry program is performed annually and documents input from the program faculty, the administration, and the program advisory committee.

Evaluation of the philosophy, purpose, goals, and objectives of the Masonry program is conducted to assure congruence with changing community and employment market needs and Georgia Board of Technical and Adult Education philosophy and purpose statements.

Evaluation of the philosophy, purpose, goals, and objectives of the Masonry program assesses congruence with the requirements of the designated accrediting agency(ies).

Evaluation processes are designed to consider state evaluation processes and requirements and to verify that the philosophy, purpose, goals, and objectives of the Masonry program are being fulfilled.

Evaluation of the philosophy, purpose, goals, and objectives of the Masonry program results in revision, as needed.

MASONRY

ADMISSIONS
(Admission Requirements)

Standard Statement

Statewide admission requirements are implemented for the Masonry program.

Explanatory Comment

Admission refers to regular admission into a diploma granting program.

Statewide program admission requirements consider state and national occupational licensing and certifying requirements, where applicable.

The institution develops and implements clearly stated diploma program admissions policies and procedures.

Evaluative Criteria

The requirements for admission to the Masonry program are:

- a) attainment of 16 or more years of age;
- b) achievement of the 7th grade level in reading, English, and math as shown on a statistically validated test; and
- c) completion of application and related procedures.

Admission of transfer students to the Masonry program is contingent upon their meeting the following requirements:

- a) regular admission and good standing at a regionally accredited diploma or degree granting institution; and
- b) proper completion of application and related procedures.

MASONRY

ADMISSIONS
(Provisional Admission Requirements)

Standard Statement

Statewide provisional admission requirements are implemented for the Masonry program.

Explanatory Comment

Provisional admission is granted to qualified students who do not meet the regular admission requirements of the program.

Provisionally admitted students are allowed to take developmental studies courses and/or certain occupational courses as designated in the Course Sequence standard.

The institution develops and implements clearly stated policies and procedures for entry into diploma programs on a provisional basis.

Evaluative Criteria

Provisional admission to the Masonry program is afforded those students who do not meet program admission requirements but who meet provisional admission requirements.

The requirements for provisional admission to the Masonry program are:

- a) attainment of 16 or more years of age;
- b) achievement of the 6th grade level in reading, English, and math as shown on a statistically validated test or recommendation by program faculty and designated admissions personnel on the basis of interview and assessment of student potential; and
- c) completion of application and related procedures.

All Masonry program students initially admitted on a provisional basis meet regular admission requirements prior to graduation.

Provisionally admitted students whose English, math, and/or reading achievement levels do not meet regular program admission requirements are required to enroll in developmental studies courses approved by the Georgia Board of Technical and Adult Education.

MASONRY

ADMISSIONS
(Recruitment)

Standard Statement

The Masonry program recruitment/marketing materials and practices are in the best interests of the students, institution, community, and employment market.

Explanatory Comment

The recruitment/marketing effort makes potential students aware of the services provided by the Masonry program and the institution.

The recruitment/marketing effort seeks to serve the economic development of the community by affording opportunities to prospective students.

The institution develops and implements a systematic, overall recruitment/marketing effort designed to assist students in meeting their occupational needs.

Evaluative Criteria

The recruitment/marketing effort assists in maintaining and/or increasing the Masonry program and institution enrollments.

The recruitment/marketing effort of the Masonry program includes participation in or assistance with:

- a) development and dissemination of informational materials;
- b) recruitment activities with other programs within the institution;
- c) communication with potential students through contact with employers, secondary schools, organizations, the program advisory committee, and others;
- d) promotion of Masonry program awareness among individuals and groups; and
- e) consideration of the industrial and business needs of the community and employment market.

All recruitment/marketing materials and practices are ethical, equitable, and accurate in the depiction of the institution, the Masonry program, and the potential benefits of program completion.

A written description of the admission requirements and procedures, tuition fees, and other costs of the Masonry program is made available to potential students.

MASONRY

ADMISSIONS
(Evaluation and Planning)

Standard Statement

An evaluation of the admission requirements of the Masonry program is conducted.

Explanatory Comment

The admission requirements of the Masonry program are compatible with the admissions policies and procedures of the institution.

Evaluative Criteria

Masonry program admission requirements are evaluated annually to assure compliance with Georgia Board of Technical and Adult Education policies and standards and designated accrediting agency requirements.

The administration, with input from the program faculty and advisory committee, conducts an annual evaluation of Masonry program admission requirements to assess their adequacy in meeting the needs of the students, community, and employment market.

The evaluation results are used to modify the admissions procedures of the institution and to suggest Masonry program admission changes to the Georgia Board of Technical and Adult Education, as needed.

MASONRY

PROGRAM STRUCTURE (Curriculum Design)

Standard Statement

The curriculum of the Masonry program includes four categories of instruction: general core courses, fundamental occupational/technical courses, specific occupational/technical courses, and elective courses.

Explanatory Comment

General core courses and fundamental occupational/technical courses provide the academic and occupational/technical background that supports the specific occupational/technical and elective courses.

Evaluative Criteria

The Masonry program requires student completion of general core courses such as math, language skills, and other courses required by the Georgia Board of Technical and Adult Education.

The Masonry program requires student completion of fundamental occupational/technical courses in introductory concepts, principles, and technologies that provide the foundations for the given occupation and related fields.

The Masonry program requires student completion of specific occupational/technical courses that build on the foundations provided in the fundamental occupational/technical courses.

Masonry program students are offered the opportunity to take state-approved elective courses in order to develop their individual interests.

MASONRY

PROGRAM STRUCTURE
(Program Numbering System)

Standard Statement

A Classification of Instructional Programs (CIP) code is applied to the Masonry program.

Explanatory Comment

Assignment of a statewide CIP code to every diploma/degree program is the basis for consistent program identification.

Evaluative Criteria

The Masonry program is assigned a (PGM) CIP code of (PGM) 46.0101 and specialization (SPC) CIP codes of (SPC) 46.0101 and (SPC) 46.0102 and is consistent with all other programs throughout the state which have the same (PGM) CIP code.

MASONRY

**PROGRAM STRUCTURE
(Program Consistency)**

Standard Statement

The Masonry program utilizes essential course components consistent with statewide program requirements.

Explanatory Comment

Programs assigned an identical (PGM) CIP code are consistent statewide.

Evaluative Criteria

The Masonry program is assigned a (PGM) CIP code of (PGM) 46.0101 and specialization codes of (SPC) 46.0101 and (SPC) 46.0102, and utilizes essential components designated for that program number statewide.

a) **Program Title**

Masonry

b) **Program Description**

The Masonry program is a sequence of courses that prepares students for careers in the masonry profession. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of masonry theory and practical application necessary for successful employment. Program graduates receive a masonry diploma which qualifies them as a one year apprentice brick and block mason or as a one year apprentice tile setter.

c) **Essential Courses**

Credits

1)	<u>Essential General Core Courses</u>	11
	ENG 100 English	5
	MAT 100 Basic Mathematics	3
	PSY 100 Interpersonal Relations and Professional Development	3

MASONRY

2)	<u>Essential Fundamental Occupational Courses</u>	<u>24</u>
	MSN 100 Introduction to Masonry	3
	MSN 101 Basic Bricklaying	4
	MSN 103 Masonry Bonds and Patterns	4
	MSN 104 Corners and Leads	2
	MSN 105 Laying Units to the Line	5
	MSN 106 Pointing, Cleaning, and Caulking	1
	MSN 108 Blueprint Reading and Estimating	5

3) Essential Specific Occupational Courses

(Completion of one specialization is required.)

Essential Brick and Block Mason Specialization Courses 21

MSN 109	Footings, Foundations, Columns and Piers	3
MSN 111	Wall Construction	4
MSN 113	Fireplaces and Chimneys	3
MSN 114	Ornamental Masonry	2
MSN 115	Masonry Internship	4
XXX XXX	Occupational or Occupationally Related Elective Courses	5

OR

Essential Tile Setter Specialization Courses 21

MSN 121	Tiling Tools, Equipment, and Materials	3
MSN 122	Surface Preparation for Setting Tile	3
MSN 123	Tile Mortar Mixes and Application	3
MSN 124	Laying Out, Cutting, and Fitting Tile	3
MSN 125	Setting Tile and Accessories on Floors and Walls	4
MSN 126	Grouting, Cleaning, and Curing Tile	2
XXX XXX	Occupational or Occupationally Related Elective Courses	3

MASONRY

d) Program Final Exit Points

One year apprentice brick and block mason or one year apprentice tile setter

e) Credits Required for Graduation

56 minimum quarter hour credits required for graduation

MASONRY

PROGRAM STRUCTURE
(Exit Points)

Standard Statement

The Masonry program faculty documents student attainment of identified exit points.

Explanatory Comment

Exit points are the points within the program at which occupational competencies are achieved to qualify students for an entry level position in their field.

Evaluative Criteria

The faculty of the Masonry program monitors, evaluates, and records student progress towards achieving exit point competency levels.

The final Masonry program exit points, documented by a diploma, are one year apprentice brick and block mason or one year apprentice tile setter.

Potential exit points within the Masonry program include, but are not limited to, masonry helper duties such as mortar mixer, wall stocker, scaffold builder, and mortar carrier.

The institution documents completion of exit points with a transcript.

Graduation from the Masonry program is dependent upon meeting the requirements of the Georgia Board of Technical and Adult Education.

MASONRY

**PROGRAM STRUCTURE
(Credentials)**

Standard Statement

The achievement of Masonry program graduates and leavers is documented by the institution.

Explanatory Comment

A program graduate is a student who successfully fulfills all program requirements. A program leaver is a student who exits from the program prior to completion of all program requirements.

Course description documents are based on the course title, the essential course description, the essential competency areas taught, and the number of credits awarded as detailed in the program-specific standards and the listing of state-approved electives.

Evaluative Criteria

The institution grants Masonry program graduates a diploma certifying satisfaction of program and specialization requirements.

Upon request, each Masonry program graduate is provided a transcript and course description document detailing courses taken, grades, credits earned, credential awarded, and specialization completed.

Upon request, each Masonry program leaver who has completed one or more courses is provided a transcript and course description document detailing courses taken, grades, and credits earned.

Upon request, each Masonry program leaver who has not completed an entire course is provided a transcript and course description document detailing the course entered and withdrawal.

MASONRY

**PROGRAM STRUCTURE
(Course Code)**

Standard Statement

A statewide course identification code is applied to each Masonry course.

Explanatory Comment

An alphanumeric identification code is assigned to each course.

All Georgia Board of Technical and Adult Education approved courses are included in the course identification coding system.

Evaluative Criteria

Each course is assigned an alphanumeric descriptor that serves as the statewide course identification code.

The following list contains the Georgia Board of Technical and Adult Education designated course titles and course identification codes of the Masonry program.

ENG 100	English
MAT100	Basic Mathematics
MSN 100	Introduction to Masonry
MSN 101	Basic Bricklaying
MSN 103	Masonry Bonds and Patterns
MSN 104	Corners and Leads
MSN 105	Laying Units to the Line
MSN 106	Pointing, Cleaning, and Caulking
MSN 108	Blueprint Reading and Estimating
MSN 109	Footings, Foundations, Columns, and Piers
MSN 111	Wall Construction
MSN 113	Fireplaces and Chimneys
MSN 114	Ornamental Masonry
MSN 115	Masonry Internship
MSN 121	Tiling Tools, Equipment, and Materials
MSN 122	Surface Preparation for Setting Tile
MSN 123	Tile Mortar Mixes and Application
MSN 124	Laying Out, Cutting, and Fitting Tile
MSN 125	Setting Tile and Accessories on Floors and Walls

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MSN 126 Grouting, Cleaning, and Curing Tile
PSY 100 Interpersonal Relations and Professional Development

MASONRY

PROGRAM STRUCTURE
(Course Consistency)

Standard Statement

Courses assigned a given course identification code are consistent.

Explanatory Comment

Courses assigned the same course identification code are consistent throughout the state.

One quarter equals a minimum of 50 instructional days. One contact hour equals a minimum of 50 minutes of instruction.

One (1) quarter hour credit is defined as follows:

- a) class - One contact hour of class per week for the duration of a quarter equals one quarter hour credit; class is defined as instruction which emphasizes group or individualized classroom learning.
- b) demonstration laboratory (D.Lab) - Two contact hours of demonstration laboratory per week for the duration of a quarter equals one quarter hour credit; demonstration laboratory is defined as instruction which emphasizes teacher assisted learning activities.
- c) practical performance laboratory (P.Lab) - Three contact hours of practical performance laboratory per week for the duration of a quarter equals one quarter hour credit; practical performance laboratory is defined as instruction which emphasizes structured activities requiring the application and practice of occupational competencies.
- d) occupation-based instruction (O.B.I.) - Three contact hours of occupation-based instruction per week for the duration of a quarter equals one quarter hour credit; occupation-based instruction is defined as instruction which emphasizes supervised work-experience activities requiring the application of occupational competencies.

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Evaluative Criteria

Each course assigned a given course identification code utilizes certain components identical to those designated for that course identification code statewide.

Components designated for each course identification code include:

- a) course title;
- b) essential course description;
- c) essential competency areas taught; and
- d) number of quarter hour credits awarded for course completion.

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Courses in the Masonry program include:

ENG 100 - ENGLISH

Emphasizes the development and improvement of written and oral communications abilities. Topics include: basic grammar; language usage; vocabulary; idea development; spelling; outlining; sentence elements; sentence development; paragraph development; revision; listening skills; reading skills; and locating, using, and organizing information. Homework assignments reinforce classroom learning.

Competency Areas

- Basic Oral Communications
- Listening Skills
- Basic Grammar and Sentence Skills
- Paragraph Development
- Reading Skills

Hours

Class/Week - 5
Lab/Week - 0
Credit - 5

Prerequisite: Program admission level English and reading competency

MAT 100 - BASIC MATHEMATICS

Emphasizes basic mathematical concepts. Topics include: mathematical operations with whole numbers, decimals, fractions, percents, ratio/proportion, and measurement using common English and metric units. Class includes lecture, applications, and homework to reinforce learning.

Competency Areas

- Mathematical Operations
- Decimals
- Fractions
- Percents
- Ratio and Preparation
- Measurement and Conversion

Hours

Class/Week - 3
Lab/Week - 0
Credit - 3

Prerequisite: Program admission level math competency

MASONRY

MSN 100 - INTRODUCTION TO MASONRY

Provides instruction in the procedures and practices necessary for safe operation and use of tools, materials, and equipment in masonry. Topics include: orientation to the masonry field, general safety, masonry tools, masonry equipment, and masonry materials.

Competency Areas

- Orientation to the Masonry Field
- General Safety
- Masonry Tools
- Masonry Equipment
- Masonry Materials

Hours

Class/Week - 2
D.Lab/Week - 2
P.Lab/Week - 1
Credit - 3

Prerequisite: Provisional admission

MSN 101 - BASIC BRICKLAYING

Introduces basic skills in mixing mortar, spreading and applying mortar to masonry units, and cutting masonry units. Topics include: procedures to mix mortar, spread mortar, butter brick and block, and cut masonry units.

Competency Areas

- Procedures to Mix Mortar
- Spread Mortar
- Butter Brick and Block
- Cut Masonry Units

Hours

Class/Week - 1
D.Lab/Week - 2
P.Lab/Week - 7
Credit - 4

Prerequisite: Provisional admission

MASONRY

MSN 103 - MASONRY BONDS AND PATTERNS

Provides strategy and procedures to create basic bonds and patterns with various masonry units. Topics include: structural bonds and basic patterns.

Competency Areas

- Structural Bonds
- Basic Patterns

Hours

Class/Week - 1
D.Lab/Week - 2
P.Lab/Week - 7
Credit - 4

Prerequisite/Corequisite: MSN 101

MSN 104 - CORNERS AND LEADS

Develops additional skills in bonds and patterns and provides instruction in developing corners, leads, and jambs. Topics include: bonds/patterns, corner layout, lead development, and jamb construction.

Competency Areas

- Bonds/Patterns
- Corner Layout
- Lead Development
- Jamb Construction

Hours

Class/Week - 0
D.Lab/Week - 1
P.Lab/Week - 6
Credit - 2

Prerequisite: MSN 101

MASONRY

MSN 105 - LAYING UNITS TO THE LINE

Presents methods and techniques of how to lay masonry units to the line and space them correctly. Emphasis will be placed on laying basic brick and concrete block units. Topics include: basic brick and block units, special glass and glazed block units, manmade and natural architectural units, and joint tooling.

Competency Areas

- Basic Brick and Block Units
- Special Glass and Glazed Block Units
- Manmade and Natural Architectural Units
- Joint Tooling

Hours

Class/Week - 1
D.Lab/Week - 2
P.Lab/Week - 11
Credit - 5

Prerequisite: MSN 101

MSN 106 - POINTING, CLEANING, AND CAULKING

Presents techniques for pointing, cleaning, and caulking masonry using commercial grade products. Topics include: pointing, cleaning, and caulking.

Competency Areas

- Pointing
- Cleaning
- Caulking

Hours

Class/Week - 1
D.Lab/Week - 1
P.Lab/Week - 1
Credit - 1

Prerequisite: Provisional admission

MASONRY

MSN 108 - BLUEPRINT READING AND ESTIMATING

Provides instruction in the interpretation of architectural drawings, prints, and specifications needed to estimate and construct masonry structures according to plans. Topics include: building codes, specifications, drafting language, plot/plat plans, foundation/floor plans, elevations, details, sections, and materials estimation.

Competency Areas

Hours

- | | |
|--------------------------|----------------|
| - Building Codes | Class/Week - 3 |
| - Specifications | D.Lab/Week - 2 |
| - Drafting Language | P.Lab/Week - 5 |
| - Plot/Plat Plans | Credit - 5 |
| - Foundation/Floor Plans | |
| - Elevations | |
| - Details | |
| - Sections | |
| - Materials Estimation | |

Prerequisites/Corequisites: MAT 100, MSN 101, and program admission

MSN 109 - FOOTINGS, FOUNDATIONS, COLUMNS, AND PIERS

Introduces methods for site layout and techniques for construction of footings and foundations to include moisture control. Topics include: site layout, footings, foundations, retaining walls, columns and piers, and waterproofing.

Competency Areas

Hours

- | | |
|---------------------|----------------|
| - Site Layout | Class/Week - 1 |
| - Footings | D.Lab/Week - 2 |
| - Foundations | P.Lab/Week - 5 |
| - Retaining Walls | Credit - 3 |
| - Columns and Piers | |
| - Waterproofing | |

Prerequisites/Corequisites: MSN 105, MSN 108

MASONRY

MSN 111 - WALL CONSTRUCTION

Includes information for planning and building various types of masonry walls including reinforcement and finishing techniques. Topics include: types of walls, pilasters, bonding/ties, expansion and control joints, prefabricated units, reinforcements, flashings, and parapets.

Competency Areas

- Types of Walls
- Pilasters
- Bonding/Ties
- Expansion and Control Joints
- Prefabricated Units
- Reinforcements
- Flashings
- Parapets

Hours

Class/Week - 2
P.Lab/Week - 6
Credit - 4

Prerequisites: MSN 103, MSN 104, MSN 105

Corequisites: MSN 108, MSN 109

MSN 113 - FIREPLACES AND CHIMNEYS

Provides instruction in the design and construction of fireplaces and chimneys. Topics include: types of design, foundation plans, firebox types, mantle/hearth designs, chimney types, and fireplace inserts.

Competency Areas

- Types of Design
- Foundation Plans
- Firebox Types
- Mantle/Hearth Designs
- Chimney Types
- Fireplace Inserts

Hours

Class/Week - 1
D.Lab/Week - 1
P.Lab/Week - 6
Credit - 3

Prerequisite: MSN 106, MSN 108, MSN 109

MASONRY

MSN 114 - ORNAMENTAL MASONRY

Provides experience in the design and construction of selected ornamental masonry structures. Topics include: materials and construction techniques.

Competency Areas

- Materials
- Construction Techniques

Hours

Class/Week - 1
D.Lab/Week - 1
P.Lab/Week - 3
Credit - 2

Prerequisite: MSN 111

MSN 115 - MASONRY INTERNSHIP

Provides experience necessary for further professional development in masonry skills and theory. Emphasis will be placed on attaining levels of development equivalent to that of a one year apprentice mason. The requirements for this course may be met in a laboratory setting or in a combination of laboratory setting and approved industrial internship settings. Topics include: blueprint reading and materials estimation; safety; tools, materials, and equipment; corners and leads; footings, foundations, piers, and columns; wall construction; fireplaces and chimneys; ornamental masonry; and pointing, cleaning and caulking.

Competency Areas

- Blueprint Reading and Estimating
- Safety
- Tools, Materials, and Equipment
- Corners and Leads
- Footings, Foundations, Piers and Columns
- Wall Construction
- Fireplaces and Chimneys
- Ornamental Masonry
- Pointing, Cleaning, and Caulking

Hours

Class/Week - 0
O.B.I. - 12
Credit - 4

Prerequisites: ENG 100, MSN 111, PSY 100

Corequisites: MSN 113

MASONRY

MSN 121 - TILING TOOLS, EQUIPMENT, AND MATERIALS

Presents types of tools, equipment, and materials used in setting tile. Instruction in fundamental tool manipulation is provided. Topics include: orientation to tiling, general safety, tiling tools, tiling equipment, tiling materials, and materials estimation.

Competency Areas

- Orientation to Tiling
- General Safety
- Tiling Tools
- Tiling Equipment
- Tiling Materials
- Materials Estimation

Hours

Class/Week - 3
P.Lab/Week - 2
Credit - 3

Prerequisite/Corequisite: MSN 108

MSN 122 - SURFACE PREPARATION FOR SETTING TILE

Presents the knowledge and skills necessary to make an area ready to receive mortar. Topics include: procedures to plumb, level, and square walls and floors; procedures to waterproof walls and floors; procedures for the formation and application of metal lath; provision of expansion joints; base subslab preparation; bonding agent application; and backer board installation.

Competency Areas

- Procedures to Plumb, Level, and Square Walls and Floors
- Procedures to Waterproof Walls and Floors
- Metal Lath Formation and Application
- Expansion Joint Provision
- Base Subslab Preparation
- Bonding Agent Application
- Backer Board Installation

Hours

Class/Week - 3
P.Lab/Week - 2
Credit - 3

Prerequisite/Corequisite: MSN 121

MASONRY

MSN 123 - TILE MORTAR MIXES AND APPLICATION

Includes the different materials and quantities used to mix and apply setting bed, scratch, float, and bond coats. Topics include: scratch coat, screed strips, float coat, and bond coats.

Competency Areas

- Scratch Coat
- Screed Strips
- Float Coat
- Bond Coat

Hours

Class/Week - 2
P.Lab/Week - 3
Credit - 3

Prerequisite/Corequisite: MSN 122

MSN 124 - LAYING OUT, CUTTING, AND FITTING TILE

Develops the skills necessary to layout, measure, and cut different shapes of tile and fit the pieces to finish a wall or floor. Topics include: layout and measurement procedures, tile nippers and snap cutters, tile saws, and rubbing stone techniques.

Competency Areas

- Layout and Measurement Procedures
- Tile Nippers and Snap Cutters
- Tile Saws
- Rubbing Stone Techniques

Hours

Class/Week - 2
P.Lab/Week - 3
Credit - 3

Prerequisite/Corequisite: MSN 123

MASONRY

MSN 125 - SETTING TILE AND ACCESSORIES ON FLOORS AND WALLS

Develops the skills to accurately level, plumb, and align tile and accessories on floors and walls. Topics include: sanitary cove installation, floor tile, wall tile, and setting accessories.

Competency Areas

- Sanitary Cove Installation
- Floor Tile
- Wall Tile
- Setting Accessories

Hours

Class/Week - 2
P.Lab/Week - 7
Credit - 4

Prerequisite/Corequisite: MSN 124

MSN 126 - GROUTING, CLEANING, AND CURING TILE

Provides instruction in the skills needed to adequately fill, waterproof, clean, and cure tile joints to give a strong and pleasing finish. Topics include: grout mixes, grout application, tile cleaning, and tile curing.

Competency Areas

- Grout Mixes
- Grout Application
- Tile Cleaning
- Tile Curing

Hours

Class/Week - 2
P.Lab/Week - 2
Credit - 2

Prerequisite/Corequisite: MSN 125

MASONRY

PSY 100 - INTERPERSONAL RELATIONS AND PROFESSIONAL DEVELOPMENT

Provides a study of human relations and professional development in today's rapidly changing world that prepares students for living and working in a complex society. Topics include: personal skills required for an understanding of self and others; projecting a professional image; job acquisition skills such as conducting a job search, interviewing techniques, job application, and resume preparation; desirable job performance skills; and desirable attitudes necessary for job retention and advancement.

Competency Areas

Hours

- Human Relations Skills
- Job Acquisition Skills
- Job Retention Skills
- Job Advancement Skills
- Professional Image Skills

Class/Week - 3
Lab/Week - 0
Credit - 3

Prerequisite: Provisional admission

MASONRY

PROGRAM STRUCTURE (Course Sequence)

Standard Statement

The Masonry program requires students to progress through the four instructional course categories in a developmentally valid sequence.

Explanatory Comment

The four instructional course categories are: general core courses, fundamental occupational/technical courses, specific occupational/technical courses, and elective courses.

A developmentally valid instructional sequence is one in which the student acquires prerequisite knowledge and skills before progressing to more advanced studies.

Evaluative Criteria

The Masonry program requires students to complete prerequisite courses prior to enrolling in subsequent courses.

Provisions are made for Masonry program students to exempt courses in which they are competent.

The Masonry program complies with the required provisional admission, program admission, and/or program admission level competency prerequisites listed below.

The Masonry program reflects the suggested course prerequisites and/or corequisites listed below.

(In the list below prerequisites are indicated by [P],
prerequisites/corequisites are indicated by [P/C],
and corequisites are indicated by [C]).

Courses

ENG 100 English

MAT100 Basic Mathematics

Sequence

[P] Program admission level
English and reading
competency

[P] Program admission level math
competency

MASONRY

MSN 100	Introduction to Masonry	[P] Provisional admission
MSN 101	Basic Bricklaying	[P] Provisional admission
MSN 103	Masonry Bonds and Patterns	[P/C] MSN 101
MSN 104	Corners and Leads	[P] MSN 101
MSN 105	Laying Units to the Line	[P] MSN 101
MSN 106	Pointing, Cleaning, and Caulking	[P] Provisional admission
MSN 108	Blueprint Reading and Estimating	[P/C] MAT 100, MSN 101, and program admission
MSN 109	Footings, Foundations, Columns, and Piers	[P/C] MSN 105, MSN 108
MSN 111	Wall Construction	[P] MSN 103, MSN 104, MSN 105 [C] MSN 108, MSN 109
MSN 113	Fireplaces and Chimneys	[P] MSN 106, MSN 108, MSN 109
MSN 114	Ornamental Masonry	[P] MSN 111
MSN 115	Masonry Internship	[P] ENG 100, MSN 111, PSY 100 [C] MSN 113
MSN 121	Tiling Tools, Equipment, and Materials	[P/C] MSN 108
MSN 122	Surface Preparation for Setting Tile	[P/C] MSN 121
MSN 123	Tile Mortar Mixes and Application	[P/C] MSN 122
MSN 124	Laying Out, Cutting, and Fitting Tile	[P/C] MSN 123
MSN 125	Setting Tile and Accessories on Floors and Walls	[P/C] MSN 124
MSN 126	Grouting, Cleaning, and Curing Tile	[P/C] MSN 125
PSY 100	Interpersonal Relations and Professional Development	[P] Provisional admission

MASONRY

PROGRAM STRUCTURE (Electives)

Standard Statement

Electives are made available for the Masonry program.

Explanatory Comment

Masonry program students are provided opportunities to enroll in state-approved elective courses. Elective courses utilize the following components: course title, essential course description, essential competency areas, and number of credits awarded for course completion.

Required courses for a diploma program are available to other diploma programs as elective courses.

Evaluative Criteria

Electives are established utilizing the following process:

- a) The administration of the institution, the program faculty, and the program advisory committee cooperate in establishing and utilizing a system to recommend needed and feasible elective courses;
- b) The administration of the institution, the program faculty, and the program advisory committee communicate with the statewide program technical committee and appropriate staff of the Georgia Department of Technical and Adult Education concerning the proposed elective(s);
- c) The administration of the institution, the program faculty, and the program advisory committee consider revisions and prepare a final elective course proposal;
- d) The administration of the institution presents the elective course proposal to the appropriate staff of the Georgia Department of Technical and Adult Education;
- e) The staff of the Georgia Department of Technical and Adult Education reviews the proposal using its established criteria for evaluating elective courses.

Electives are made available for the Masonry program and elective courses are offered as options within the program graduation requirements.

MASONRY

PROGRAM STRUCTURE
(Course Transferability)

Standard Statement

Masonry program courses are transferable on the basis of their course identification code.

Explanatory Comment

Courses assigned identical course identification codes include consistent essential competency areas; therefore, resultant credits are guaranteed transferability between programs and institutions under the jurisdiction of the Georgia Board of Technical and Adult Education.

Courses that do not have an assigned course identification code but include similar essential competency areas are selectively transferable.

Evaluative Criteria

Masonry program courses assigned designated course identification codes are transferable between programs and institutions under the jurisdiction of the Georgia Board of Technical and Adult Education.

Courses taken outside the Georgia Technical and Adult Education system are selectively accepted for transfer on the basis of similarity in competency areas as determined by the Masonry program faculty and admissions officers.

Only those courses in which a grade of C or better was awarded are transferable.

MASONRY

PROGRAM EVALUATION AND PLANNING
(Program Evaluation)

Standard Statement

A written evaluation procedure is developed and implemented for the Masonry program.

Explanatory Comment

Program evaluation procedures vary depending upon the nature of the institution and the program. The administration and program faculty, in association with the program advisory committee, develop and implement program evaluation procedures and data collection techniques that are reasonable and realistic for yearly evaluation purposes.

Masonry program faculty and administrative personnel work together to determine student enrollment, attrition, graduation, placement, and performance levels.

Evaluative Criteria

A procedure for continuous Masonry program evaluation is developed and implemented by the administration of the institution, the program faculty, and the program advisory committee. Formal evaluation of the Masonry program is conducted and documented annually.

The Masonry program evaluation procedure is used to determine the extent to which program goals and objectives are achieved.

The Masonry program evaluation results are used to determine the adequacy of the existing program to meet current occupational needs.

The Masonry program evaluation procedure is used to ascertain the consistency of the philosophy, purpose, goals, and objectives of the program with those of the institution, the Georgia Board of Technical and Adult Education, and the designated accrediting agency(ies).

The Masonry program evaluation procedure includes review of student program evaluations, enrollment, attrition, graduation, placement, and student performance levels.

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The Masonry program evaluation procedure includes consultation with the program advisory committee, frequent communication with employers, analysis of placement and follow-up data, and collection of other information to evaluate and document program relevance.

Masonry program evaluation results are used to plan program improvements.

MASONRY

PROGRAM EVALUATION AND PLANNING (Program Planning)

Standard Statement

A written planning procedure is developed and implemented for the Masonry program.

Explanatory Comment

The Masonry program planning procedure allows responsiveness to the changing needs of the community and employment market.

The Masonry program is evaluated at the institutional level by the students, instructors, program advisory committee, and administration; from this documented data, short-range and long-range program planning is developed.

Evaluative Criteria

A Masonry program planning procedure is developed and implemented by the administration of the institution and program faculty. Formal planning for the Masonry program is conducted and documented annually.

The Masonry program planning procedure utilizes program evaluation results to facilitate the provision of program offerings of sufficient quality and scope to meet community and employment market needs.

The Masonry program planning procedure considers recommendations for program and course continuation, addition, deletion, and/or modification based on needs assessment information and input from the administration of the institution, the program faculty, and the advisory committee.

The Masonry program planning procedure considers information from appropriate national, state, and local governmental and non-governmental agencies.

The Masonry program planning procedure considers information such as demographic studies, occupational surveys, current curricula, cost estimates, instructor availability, equipment needs, and projected enrollment figures that include special populations.

The Masonry program planning procedure satisfies the program planning requirements of the designated accrediting agency(ies).

MASONRY

**PROGRAM EVALUATION AND PLANNING
(Enrollment, Graduation, and Placement Levels)**

Standard Statement

An evaluation of the enrollment, graduation, and placement levels of the Masonry program is conducted.

Explanatory Comment

Acceptable Masonry program outcomes (enrollment, graduation, and placement levels) are identified in the Evaluation, Planning, and Budgeting (EPB) model.

Evaluative Criteria

Annual evaluation of Masonry program enrollment, graduation, and placement statistics is conducted and documented by the administration and program faculty.

Masonry program evaluation findings are compared with acceptable outcome levels designated for state evaluation requirements.

Factors contributing to the outcomes of the Masonry program are identified and analyzed. Where enrollment, graduation, and/or placement levels are unacceptable, appropriate corrective action is taken.

MASONRY

PROGRAM EVALUATION AND PLANNING
(Attrition Levels)

Standard Statement

An analysis of the attrition level of the Masonry program is conducted and used in evaluating and improving the program.

Explanatory Comment

Attrition level is a measure of the number of students who withdraw from a program prior to completion of graduation requirements.

Attrition levels vary from one type of program to another depending on the nature of the program and the student population. The attrition level of the Masonry program is compared with relevant, available national norms and other data.

Evaluative Criteria

Annual evaluation of the attrition level of the Masonry program is conducted and documented by the program faculty.

Factors contributing to the attrition level are identified and analyzed, and appropriate corrective action is taken.

MASONRY

PROGRAM EVALUATION AND PLANNING
(Student Performance)

Standard Statement

An evaluation of the Masonry program is conducted based on student achievement levels.

Explanatory Comment

Achievement levels are evaluated on the basis of verified student performance related to academic knowledge, occupational/technical knowledge, and performance skills.

Student achievement levels for the Masonry program are determined on the basis of student performance data gathered from tests which are locally developed and conducted during each program of study.

Evaluative Criteria

Annual evaluation of Masonry program student achievement levels is conducted and documented by the administration and program faculty.

Factors contributing to student achievement levels are identified and analyzed. Where achievement is low, corrective action is taken to improve the program.

MASONRY

**INSTRUCTIONAL PROGRAM
(Course Content)**

Standard Statement

The essential content of each Masonry course is consistent statewide for courses having the same course identification code.

Explanatory Comment

Course content is defined in terms of competency areas taught. The program-specific standards of the Georgia Board of Technical and Adult Education detail the essential competency areas for each course identification code.

Evaluative Criteria

The content of each Masonry course having a given course identification code includes, but is not limited to, essential competency areas identified for that course identification code.

Competency areas included in the Masonry course content reflect advances in the subject area and occupational field and respond to student, community, and employment market needs.

The overall content of each Masonry course is consistent with established program goals and objectives.

MASONRY

INSTRUCTIONAL PROGRAM
(Course Objectives)

Standard Statement

Each Masonry program course is constructed on the basis of course objectives.

Explanatory Comment

Course objectives are desired student performance outcomes stated in measurable performance terms.

The Masonry program faculty coordinates the planning of course objectives, outlines, and syllabi in an effort to facilitate program efficiency and consistency.

Evaluative Criteria

The objectives of each Masonry course are derived from established program objectives.

Masonry course outlines and lesson plans are based on course objectives.

MASONRY

**INSTRUCTIONAL PROGRAM
(Course Instruction)**

Standard Statement

Suitable instructional techniques and resources facilitate the fulfillment of Masonry course objectives.

Explanatory Comment

A wide variety of instructional techniques and resources are used to direct student learning experiences.

Evaluative Criteria

Course outlines, syllabi, and group or individual lesson preparations serve to organize instruction in each Masonry classroom and laboratory.

Instructional materials such as competency tests, text books, instruction sheets, audiovisuals, and computer programs are utilized to meet Masonry program goals and objectives and enhance instructional effectiveness.

Teaching methods, materials, and procedures make provisions for individual differences, needs, and capabilities. Opportunities for remediation are provided to students as needed.

Student learning experiences include theoretical instruction and practical application of knowledge. The ratio of theoretical to practical instruction depends on the nature of program competencies.

Student progress is systematically monitored, evaluated, and recorded by the Masonry program faculty as part of the instructional process.

Desirable employability skills are integrated into Masonry course instruction and are modeled by the instructor.

Academic skills are integrated into Masonry course instruction and are modeled by the instructor.

A syllabus which outlines course objectives, requirements, content, and evaluation techniques is made available to students enrolled in each Masonry course.

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Instructional methods are evaluated routinely, and evidence of improvement is collected and documented by the Masonry program faculty.

MASONRY

**INSTRUCTIONAL PROGRAM
(Occupation-Based Instruction)**

Standard Statement

The Masonry program offers effective occupation-based instructional delivery where appropriate.

Explanatory Comment

Occupation-based instructional delivery systems include educational work experiences, internships, practicums, and other specialized and/or innovative learning arrangements.

Diploma programs that require internships, work experience arrangements, and/or other occupation-based instructional experiences do so on the basis of designated essential competency areas and courses for the given program.

Evaluative Criteria

Any internship, on-the-job training arrangement, or other educational work experience that is a Masonry program requirement or elective is:

- a) listed as a course having a course identification code;
- b) assigned course credit and required tuition;
- c) defined by the same requirements for statewide course title, essential course description, and essential competency areas as any other diploma/degree program course;
- d) controlled and supervised by the institution, Masonry program faculty, and/or the person designated to coordinate work experience courses; and
- e) managed through the use of prescribed individual training plans that detail required student learning and performance objectives and appropriate agreements between institutions and work experience supervisors.

MASONRY

INSTRUCTIONAL PROGRAM (Evaluation of Students)

Standard Statement

A system for evaluation of students is developed and implemented by the Masonry program faculty.

Explanatory Comment

Evaluation of students is based on tests, observations, records, interviews, homework, projects, and/or other evidence of student performance.

Evaluative Criteria

The Masonry program system for evaluation of students is consistent with institutional grading policies.

The faculty of the Masonry program develops, implements, and disseminates a written system for evaluation of students.

The Masonry program system for evaluation of students reflects the philosophy, purpose, goals, and objectives of the program.

The Masonry program system for evaluation of students requires use of competency-based measures of student performance.

The Masonry program system for evaluation of students requires use of both formative and summative evaluation.

The Masonry program system for evaluation of students includes evaluation and documentation of student achievement in both course specific knowledge and practical application.

The Masonry program system for evaluation of students includes evaluation and documentation of student achievement in the cognitive, affective, and psychomotor domains.

The Masonry program system for evaluation of students is reviewed annually and revised, as necessary.

MASONRY

**INSTRUCTIONAL PROGRAM
(Grading System)**

Standard Statement

The Masonry program implements statewide grading standards.

Explanatory Comment

Program grading systems vary in detail but are consistent regarding major principles.

Evaluative Criteria

The faculty of the Masonry program develops, implements, and disseminates a written grading system that incorporates statewide grading standards.

The grading system reflects the objectives of the Masonry program.

The grading system of the Masonry program is used to promote student awareness of learning progress.

The grading system of the Masonry program bases grades in occupational courses on documented measures of student knowledge, practical application of knowledge, and employability skills.

The grading system of the Masonry program establishes passing grades that document student achievement of course competencies at levels acceptable for job entry.

The grading system of the Masonry program requires use of a grading scale whereby 90 to 100% is an A, 80 to 89% is a B, 70 to 79% is a C, 65 to 69% is a D, and 0 to 64% is an F.

The grading system of the Masonry program recommends the minimum course grade of C required for progress from specified courses to more advanced courses.

The grading system of the Masonry program is evaluated annually by the program faculty and revised, as needed.

MASONRY

**INSTRUCTIONAL PROGRAM
(Laboratory Management)**

Standard Statement

A system for instructional laboratory management is developed and implemented by the faculty of the Masonry program.

Explanatory Comment

An established laboratory management system facilitates productive instructional laboratory operation.

Evaluative Criteria

The faculty of the Masonry program develops and implements a written laboratory management system.

The laboratory management system is disseminated to Masonry program students and faculty.

Institutional policies regarding safety, liability, and laboratory operation are reflected in the Masonry program laboratory management procedure.

The Masonry program laboratory management system is consistent with the goals and objectives of the program.

The Masonry program laboratory management system maximizes the instructional usefulness of student laboratory experiences. The laboratory management system is designed to meet student needs in learning program competencies.

The Masonry program laboratory management system complies with and stresses safety practices, requires that safety instruction precede laboratory instruction, and establishes required safety tests.

The Masonry program laboratory management system is developed using input from program faculty, advisory committee members, and, when possible, students.

The laboratory management system is evaluated annually and revised, as needed.

MASONRY

**INSTRUCTIONAL PROGRAM
(Live Work)**

Standard Statement

The faculty of each Masonry program that includes live work as part of its curriculum develops and implements a written live work system.

Explanatory Comment

Live work is a vital component of many occupational/technical programs and is integrated into the curriculum where specific courses require laboratory experience.

Evaluative Criteria

The faculty of each Masonry program that includes live work as part of its curriculum develops and implements a written live work system.

Information about the live work system of the Masonry program is made available to the entire institution.

The live work system supports and enhances the course curricula. Live work does not replace or interrupt essential course content or sequence and seeks to avoid conflict with community businesses.

The live work system is consistent with the philosophy, purpose, goals, and objectives of the Masonry program.

The live work system details methods for publicizing services, handling customer relations, accounting, assigning work, documenting work, and/or other needed functions.

The live work system is developed by the Masonry program faculty using input from students when possible.

The live work system conforms to institutional regulations and is approved by the administration of the institution.

The live work system conforms to the live work policy of the Georgia Board of Technical and Adult Education.

MASONRY

The live work system is evaluated annually by the faculty of each Masonry program and revised, as needed.

MASONRY

INSTRUCTIONAL PROGRAM (Equipment, Supplies, and Materials)

Standard Statement

The furnishings, equipment, supplies, and materials for the Masonry program are sufficient, appropriate, and adequately maintained to support safe and effective instruction.

Explanatory Comment

Program equipment, supplies, and materials include items used in a given occupation and items used in the delivery of instruction.

Evaluative Criteria

Current and adequately maintained furnishings, equipment, supplies, and materials are available to meet the instructional goals and performance objectives of the Masonry program.

Students in the Masonry program are helped to develop transferable occupational skills by using instructional equipment, tools, materials, and supplies that are comparable to those currently used in the occupational field. Tools and equipment reflect industry quality standards.

The furnishings, equipment, supplies, and materials used in the Masonry program meet or exceed applicable local, state, and federal health and safety standards.

The Masonry program makes provisions to ensure that all health and safety equipment, machine guards, fixtures, materials, and supplies required by local codes, state law, and professional practice are available and maintained in working order.

The Masonry program requires that applicable personal safety devices, equipment, and supplies are available, utilized, and maintained in working order.

First aid supplies appropriate for the Masonry program are available throughout each program area.

Masonry program equipment, supplies, and materials are installed, color coded, controlled, ventilated, and/or stored in accordance with applicable health and safety codes.

MASONRY

The Masonry program implements an equipment, materials, and supplies management system that delineates proper procedures for purchasing, maintaining, locating, storing, inventorying, securing, distributing, repairing, replacing, and safely using instructional items.

The Masonry program utilizes its advisory committee and other inputs in implementing annual evaluation and planning procedures to maintain or improve the adequacy, safety, and management of equipment, materials, and supplies.

MASONRY

INSTRUCTIONAL PROGRAM (Physical Facility)

Standard Statement

The Masonry program is provided with adequate and appropriate facilities.

Explanatory Comment

The facilities for the Masonry program vary depending on enrollments, learning activities involved, instructional equipment used, indoor and/or outdoor instruction involved, and other factors.

Evaluative Criteria

Space allocations for the Masonry program are appropriate for the number of students enrolled and the type of instructional activity involved.

The physical facilities for the Masonry program are designed to facilitate instructional delivery, allow program flexibility, accommodate instructional management, protect students and staff against safety hazards, protect equipment from loss or damage, provide accessibility to all students, and create a positive atmosphere for effective learning.

The physical facilities for the Masonry program are arranged to separate noise-producing activities from those that require a quiet environment, to expedite student traffic flow, and to prevent disruption of instruction.

Water, electricity, and other utilities are safely and conveniently provided to the Masonry program on the basis of instructional needs.

The Masonry program is provided with lighting, heating, cooling, ventilation, and any specialized control systems needed to maintain healthy and safe working conditions and meet instructional requirements.

The physical facilities for the Masonry program include classrooms, laboratories, and/or other specialized learning areas needed to meet instructional requirements.

The institution provides adequate and appropriate non-instructional facilities including offices, restrooms, storage areas, and any other specialized areas needed to meet Masonry program needs.

MASONRY

The facilities for the Masonry program are maintained regularly and operated effectively and cost efficiently.

The Masonry program faculty and advisory committee conduct an annual facility evaluation which contributes to the overall institutional facility review process.

MASONRY

**ACADEMIC SKILLS
(Academic Requirements)**

Standard Statement

Academic achievement standards are established for the Masonry program.

Explanatory Comment

Examples of academic skills include, but are not limited to, communication skills, reading comprehension skills, and computation skills.

Developmental studies assist students to improve skills such as language usage, reading, and computation prior to regular program admission.

Evaluative Criteria

The Masonry program utilizes academic achievement standards for admission that reflect skills necessary for successful participation in the instructional program.

The institution offers developmental studies to students who do not meet academic achievement standards for program admission.

The institution offers a required general core curriculum consisting of academic instruction.

Opportunities for academic remediation are provided to students while enrolled in Masonry program courses.

The Masonry program utilizes academic evaluation achievement standards that reflect skills necessary for successful performance on the job.

Where a state-approved evaluation has not been established, evaluation of essential academic skills is conducted according to standards developed by the local program faculty.

MASONRY

EMPLOYABILITY SKILLS (Job Acquisition)

Standard Statement

Job acquisition competency areas are integrated into the curriculum of the Masonry program.

Explanatory Comment

Employability skills refer to the basic academic, interpersonal, reasoning, and problem solving skills that, when transferred to the occupational setting, facilitate job acquisition, retention, and advancement.

Job acquisition competency areas consist of essential employability skills that directly influence the ability to obtain employment.

Evaluative Criteria

The faculty of the Masonry program ensures that job acquisition competency areas are included in the curriculum.

Job acquisition competency areas include, but are not limited to, the following:

- a) job search;
- b) job application and resume preparation;
- c) interviewing; and
- d) job marketing.

The faculty of the Masonry program utilizes job follow-up data, current research, and the expertise of the program advisory committee to evaluate and update the delivery of program employability skills training.

The faculty of the Masonry program assists in providing student employment information to the job placement office.

The faculty of the Masonry program encourages and guides students in preparing occupationally appropriate job acquisition materials such as applications, resumes, letters of reference, work histories, course descriptions or outlines, transcripts, and other related information.

MASONRY

The media collection includes multi-media employability information appropriate for classroom and individual student use.

MASONRY

EMPLOYABILITY SKILLS (Job Retention and Advancement)

Standard Statement

Job retention and advancement competency areas are integrated into the curriculum of the Masonry program.

Explanatory Comment

Employability skills refer to the basic academic, interpersonal, reasoning, and problem solving skills that, when transferred to the occupational setting, facilitate job acquisition, retention, and advancement.

Job retention and advancement competency areas consist of desirable job performance skills and attitudes that directly influence the ability to maintain employment or achieve an improved employment role.

Evaluative Criteria

The faculty of the Masonry program ensures that job retention and advancement competency areas are included in the curriculum.

The Masonry program curriculum stresses professional job performance required for maintaining and advancing in a job including, but not limited to, demonstration of:

- a) knowledge of occupational and academic skills;
- b) quality work standards;
- c) productivity;
- d) communication skills;
- e) punctuality;
- f) problem solving skills;
- g) interpersonal skills;
- h) confidentiality; and
- i) knowledge of the career ladder.

MASONRY

The Masonry program curriculum stresses professional attitudes required for maintaining and advancing in a job including, but not limited to, demonstration of:

- a) cooperativeness;
- b) pleasantness;
- c) responsibility;
- d) self-control;
- e) enthusiasm;
- f) flexibility;
- g) helpfulness;
- h) loyalty; and
- i) willingness to learn.

The Masonry program faculty utilizes job follow-up data, current research, and the expertise of the program advisory committee to evaluate and update the delivery of program employability skills training.

The Masonry program faculty assists in providing student employment information to the job placement office.

MASONRY

STAFF
(Faculty Qualifications and Responsibilities)

Standard Statement

Qualified faculty are responsible for carrying out the purpose, goals, and objectives of the Masonry program.

Explanatory Comment

Essential faculty qualifications and responsibilities are detailed in the Certification Manual and the program-specific standards established by the Georgia Board of Technical and Adult Education.

Evaluative Criteria

The qualifications for each Masonry program part-time or full-time faculty member meet the requirements specified in the Certification Manual of the Georgia Board of Technical and Adult Education, as appropriate, and the requirements of the designated accrediting agency(ies).

The responsibilities of each Masonry program part-time or full-time faculty member are in compliance with the requirements specified in the Georgia Board of Technical and Adult Policy Manual and are in conformance with the requirements of the designated accrediting agency(ies).

The faculty of the Masonry program use annual staff development opportunities to assure achievement of occupational and instructional competency.

MASONRY

**ADVISORY COMMITTEE
(Function)**

Standard Statement

A program advisory committee provides expert support for the Masonry program.

Explanatory Comment

A program advisory committee is established to promote interaction between the Masonry program and businesses and industries served by the program.

Faculty use the expertise of the advisory committee to improve program content and operation.

Evaluative Criteria

The Masonry program advisory committee assists with developing short-range and long-range plans.

The Masonry program advisory committee provides advice regarding curriculum content to ensure that courses relate to present and future employment needs.

The Masonry program advisory committee makes suggestions regarding the modification, addition, or deletion of course offerings.

The Masonry program advisory committee supports the program through public relations activities.

The Masonry program advisory committee makes recommendations regarding the design and use of physical facilities.

The Masonry program advisory committee makes recommendations regarding the selection and maintenance of equipment.

The Masonry program advisory committee assists in evaluation of program effectiveness, job development, job placement, program promotion, evaluation in relation to standards, program advocacy, and industrial support of the program.

MASONRY

The Masonry program advisory committee submits its recommendations regarding program related changes to the appropriate state-level technical committee for review on an annual basis.

The Masonry program faculty provides documented evidence that program advisory committee recommendations are considered and that specific action is taken on each recommendation.

MASONRY

**ADVISORY COMMITTEE
(Membership)**

Standard Statement

The membership of the Masonry program advisory committee is representative of the community and employment market served by the program.

Explanatory Comment

The Masonry program advisory committee is composed primarily of persons in the industry served by the program and includes persons within the community and employment market who positively impact the program.

Evaluative Criteria

The faculty of the Masonry program, in cooperation with the administration of the institution, selects the advisory committee.

The Masonry program advisory committee includes a cross-section of representatives from program-related businesses and industries.

The Masonry program advisory committee includes program-related business and industry representatives who have varying occupational positions.

The Masonry program advisory committee includes faculty as ex officio members.

The Masonry program advisory committee is composed of a minimum of five members.

The Masonry program advisory committee maintains a base of experienced members while acquiring new members.

The Masonry program advisory committee members are recognized for their dedication and effort to improve the quality of education.

MASONRY

**ADVISORY COMMITTEE
(Meetings)**

Standard Statement

Masonry program advisory committee meetings have a planned program of work.

Explanatory Comment

Regularly scheduled formal advisory committee meetings focus on planning, developing, implementing, and evaluating the Masonry programs.

Evaluative Criteria

The Masonry program advisory committee has an annual program of work on file.

The Masonry program advisory committee meets a minimum of two times annually on a scheduled basis.

The Masonry program advisory committee elects officers, including a chairperson and a secretary.

The Masonry program advisory committee follows an agenda which is distributed to members prior to each meeting.

The chairperson of the Masonry program advisory committee assists program faculty in developing the agenda for each meeting.

The Masonry program advisory committee maintains minutes indicating date, agenda, members present, and recommendations.

Minutes are distributed to each Masonry program advisory committee member prior to each meeting.

The Masonry program advisory committee maintains an open file of minutes and other necessary documents for a minimum of three years.

The Masonry program advisory committee members are invited to make periodic classroom visits to the institution.

The Masonry program advisory committee has a quorum present to conduct business.

MASONRY

**SPECIAL NEEDS
(Commitment)**

Standard Statement

The Masonry program is committed to providing technical education to special needs students.

Explanatory Comment

Special needs students are those who are academically and/or economically disadvantaged, are physically and/or mentally handicapped, or are national origin minority students with limited English language skills.

The special needs requirements of the Georgia Board of Technical and Adult Education meet or exceed all relevant local, state, and federal legislation.

Special needs legislation includes, but is not limited to, mandates for auxiliary aids to students, removal of architectural and equipment barriers, and non-restrictive career counseling.

Evaluative Criteria

Special needs policies and operational procedures that comply with current local, state, and federal special needs legislation are implemented in the Masonry program.

Students who are academically and/or economically disadvantaged are provided special services and assistance to enable them to succeed in the Masonry program.

Students who have physical and/or mental impairments are provided special services and assistance to enable them to succeed in the Masonry program.

Students who are national origin minority students with limited English language skills are provided special services and assistance to enable them to succeed in the Masonry program.

Masonry program faculty are prepared, through staff development education, to provide assistance for students with special needs.

All special needs personnel meet Georgia Board of Technical and Adult Education certification requirements.

MASONRY

Course objectives within the Masonry program are utilized as the basis for developing an Individualized Education Program (IEP) for each handicapped student under 21 years of age enrolled in the program.

MASONRY

**EQUITY
(Commitment)**

Standard Statement

The Masonry program affords equal access and opportunities to all qualified students and staff.

Explanatory Comment

Equal access and equal opportunity refer to the prohibition of discrimination on the basis of race, color, national origin, religion, sex, age, or handicapping condition in educational programs, activities, and employment.

The equal access and equal opportunity requirements of the Georgia Board of Technical and Adult Education meet or exceed all relevant state and federal legislation.

Equal access and equal opportunity legislation includes, but is not limited to, mandates for equitable admissions practices, counseling, employment, grievance procedures, and leave; nondiscriminatory recruitment and promotional materials; and public notification of nondiscrimination.

Evaluative Criteria

The nondiscrimination commitment of the Masonry program complies with current Georgia Board of Technical and Adult Education policy and state and federal law.

A written institutional policy that ensures equal access to all qualified students who can safely benefit from instructional services regardless of race, color, national origin, religion, sex, age, or handicapping condition is implemented in the Masonry program.

MASONRY

**HEALTH AND SAFETY
(Commitment)**

Standard Statement

The Masonry program provides a safe and healthy environment for students and staff.

Explanatory Comment

References for proper health and safety conditions, equipment, practices, and procedures are available in Georgia Board of Technical and Adult Education policy and local, state, and federal law. Emergency and disaster plans, accident reports, and fire drill procedures are outlined in information from the State Fire Marshall's Office, the Civil Defense Division, and the Georgia Department of Human Resources.

Health and safety facility and equipment provisions required by the Georgia Board of Technical and Adult Education meet or exceed appropriate local, state, and federal law.

Evaluative Criteria

The physical facility, furnishings, equipment, supplies, and practices of the Masonry program meet or exceed appropriate local, state, and federal health and safety standards.

Proper health and safety practices are developed, implemented, and integrated into the Masonry program.

The Georgia Board of Technical and Adult Education does not discriminate on the basis of age, sex, race, color, religion, national origin, or handicap in its educational programs, activities, or employment policies.