

Architectural Drawing and Design

Architectural Drawing and Design

Students will learn about the basic elements of architectural design. They will learn how to use Computer Aided Instruction (CAD) to design homes, floor plans, landscapes and buildings. Students will have the opportunity to apply their classroom skills with applied experiences in local business and industry settings. College coursework is available to help students gain skills that can continue to be developed in postsecondary education.

Courses Offered

- » 48.54100 Introduction to Engineering Drawing and Design
- » 48.54500 Architectural Drawing and Design I
- » 48.54600 Architectural Drawing and Design II
- » Work Based Learning / Youth Apprenticeship Program

Industry Credentials

- » Architectural Drafting Skills Connect
- » Rivet Architecture Certified User
- » Certified Apprentice Drafter - Architectural
- » Architectural Drafting Assessment

Career Options

- » Architect
- » Architectural and Civil Drafter
- » Architectural Drafting / Design
- » Auto CAD Technician
- » Building Code Official
- » CAD Operator
- » Civil Engineer
- » Computer Aided Drafter (CAD)
- » Construction Industry
- » Designer
- » Drafter
- » Electrical Engineer
- » Environmental Designer
- » Environmental Engineer (Hydro Engineering)
- » Landscape Architect
- » Regional and Urban Planner / Designer
- » Renderer
- » Surveyor

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

DDF 102
DDF 101
DDF 105

TCSG Course Name

Size and Shape Desc I
Intro to Drafting
Auxiliary Views

GA DOE Course Name

Introduction to Engineering, Drawing and Design
Architectural Drawing and Design I
Architectural Drawing and Design II



Broadcast Video Production

Students will have the opportunity to work in every aspect of broadcast video production, from preproduction to post production. Through the classroom studio, students will develop programs and produce them, develop the set and props and utilize broadcast video equipment. Students will also have an applied experience in a local setting.

Courses Offered

- » 10.51110 Broadcast Video Production I
- » 10.51210 Broadcast Video Production II
- » 10.51310 Broadcast Video Production III
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » Television Video Production Skills Connect

Career Options

- » Actor / Actress
- » Audio Systems Technician
- » Audio / Video Operations
- » Audio-Video Designer and Engineer
- » Audio-Video System Service Technician
- » Broadcast Technician
- » Broadcast Video Producer
- » Broadcaster
- » Control Room Technician
- » Editor
- » Film Industry Producer
- » Journalist
- » Light / Sound / Video Engineer
- » Publisher
- » Radio and Television Announcer
- » Reporter
- » Station Manager
- » Technical Computer Support Technician
- » TV Producer
- » Video Systems Technician

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

ENT 100
ENT 104
N / A

TCSG Course Name

Television Production Fund I
Graphics for Television
N / A

GA DOE Course Name

Broadcast Video Production I
Broadcast Video Production II
Broadcast Video Production III



In computing, students will learn about the field of computer programming. Gaining skills in web design, students will also learn basic concepts in software engineering, graphical user interface and interface design.

Courses Offered

- » 11.41300 Computing in the Modern World
- » 11.41800 Beginning Programming
- » 11.42100 Intermediate Programming
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » Sun Certified Java Associate
- » Computer Programming Skills Connect

Career Options

- | | |
|--------------------------------|--|
| » Administrator Test Engineer | » Data Modeler Designer / Engineer |
| » Analyst | » Development Engineer |
| » Architect | » Engineer |
| » Business Analyst | » Help Desk Specialist |
| » Computer Engineer | » Program Manager |
| » Computer Programmer | » Network and Computer Systems Administrator |
| » Computer Software Technician | » Program Manager |
| » Computer Support Specialist | » Project Lead Specialist |
| » Computer Systems Specialist | » QA Specialist |
| » Computer Technician | » Tester |
| » Data Administrator | » Video Game Designer |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

CIS 103
CIS 105
N / A

TCSG Course Name

Operating Systems Concepts
Program Design and Development
N / A

GA DOE Course Name

Computing in the Modern World
Beginning Programming
Intermediate Programming



Early Childhood Care and Education / Paraprofessional Program



Early Childhood Care and Education / Paraprofessional Program

Students will learn about the field of early childhood. They will learn about the developmental stages, as well as the environmental needs for health development. Students may take additional courses through dual enrollment with Athens Technical College to complete an Associate Degree. Students will have opportunities to apply their classroom skills with applied experiences in a preschool setting.

Courses Offered

- » 20.52510 Introduction to Early Childhood Care and Education
- » 20.42320 Human Growth and Development for Early Childhood
- » 20.52610 Health, Safety and Nutrition for the Young Child
- » 20.52710 Early Childhood Education Internship

Career Options

- » Child Care Director
- » Child Care Worker
- » Child Life Specialist
- » Day Care Provider
- » Early Childhood Assistant
- » Early Childhood Teacher
- » Elementary School Counselor
- » Elementary Teacher
- » Group Worker
- » Nanny
- » Paraprofessional
- » Preschool Teacher

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number	TCSG Course Name	GA DOE Course Name
ECE 1010	Intro to Early Childhood Care and Education	Intro to Early Childhood Care and Education
N / A	N / A	Human Growth and Develop. for Early Childhood
ECE 1012	Curriculum Development	Health, Safety and Nutrition for the Young Child



It is the policy of the Clarke County School District to offer the opportunity to students to participate in appropriate programs and activities without regard to color, creed, national origin, handicap or gender.



Students will learn about the basic elements of engineering design. They will learn engineering graphics and concepts, and will apply them to a variety of designs. Students will have opportunities to apply their classroom skills with applied experiences in local business and industry settings. Students will need a college degree in engineering to be an engineer, but this pathway lays the foundation for that coursework. College coursework is available to help students gain skills that can continue to be developed in postsecondary education.

Courses Offered

- » 48.54100 Introduction to Engineering Drawing and Design
- » 48.54200 Surveying of Engineering Graphics
- » 48.54300 3D Modeling and Analysis
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » Autodesk Inventor Certified User Exam
- » Certified Drafter – Mechanical
- » Technical Drafting Skills Connect Assessment
- » Certified Apprentice Drafter - Mechanical

Career Options

- » Construction Industry Engineer
- » Designer
- » Electrical Engineer
- » Environmental Engineer (Hydro Engineering)
- » Industrial Engineer
- » Materials Engineer
- » Mechanical Drafter
- » Mechanical Engineer
- » Modeler

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

DDF 102
DDF 102
DDF 112

TCSG Course Name

Size and Shape Desc I
Size and Shape Desc I
3D Drawing and Modeling

GA DOE Course Name

Introduction to Engineering, Drawing and Design
Survey of Engineering Graphics
3D Modeling and Analysis



Financial Management: Accounting

Students will gain experience with the basic elements that are essential to a business, including keeping track of expenditures and income. These skills are critical to working in any business context, and having this background will help students in whatever career path they may take. While being a certified accountant requires a college degree and passing a national exam, students with a high school degree can work as a bookkeeper or a records clerk with the experiences gained in this career pathway.

Courses Offered

- » 06.41600 Business Essentials
- » 07.41100 Principles of Accounting I
- » 07.41200 Principles of Accounting II
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » QuickBooks Certification
- » National Bookkeepers Association Assessment
- » Business Financial Management Assessment

Career Options

- | | | |
|-----------------------------|-------------------------------|-----------------------------------|
| » Accountant | » Bookkeeper | » Financial Accountant |
| » Accounting Clerk | » Budget Analyst | » Merger and Acquisitions Manager |
| » Accounting Supervisor | » Budget Manager | » Payroll Accounting Clerk |
| » Accounts Receivable Clerk | » Cash Manager | » Price Analyst |
| » Adjuster | » Certified Public Accountant | » Records Clerk |
| » Adjustment Clerk | » Chief Financial Officer | » Top Collections Executive |
| » Assistant Treasurer | » Controller | » Top Investment Executive |
| » Auditor | » Cost Accountant | » Treasurer |
| » Billing Clerk | » Data Entry | |
| » Billing Supervisor | » Finance Director | |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

N / A

ACC 1101

ACC 1102

TCSG Course Name

N / A

Principles of Accounting I

Principles of Accounting II

GA DOE Course Name

Business Essentials

Principles of Accounting I

Principles of Accounting II



Financial Management: Service

Students interested in owning and operating a business or working in the banking industry will find this career pathway a perfect fit. While a college degree is helpful, individuals may get hired at many levels in the banking industry and may start their own businesses without a requisite college degree. In this pathway, students will gain a basic understanding of business as well as banking, finance and insurance. The applied experience will help students better understand the complexity and requirements of a financial service career.

Courses Offered

- » 06.41600 Business Essentials
- » 07.42100 Banking and Investing
- » 07.42300 Insurance and Risk Management
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » wlse Financial Literacy Certification
- » Financial and Investment Planning Assessment

Career Options

- | | | |
|-----------------------|-----------------------------------|---------------------------------|
| » Abstractor | » Credit Analyst | » Loan Officer |
| » Accountant | » Credit Report Provider | » Loan Processor |
| » Auditor | » Customer Service Representative | » Mortgage Broker |
| » Bank Teller | » Data Processor | » Personal Financial Advisor |
| » Banker | » Development Officer | » Repossession Agent |
| » Brokerage Clerk | » Economist | » Revenue Agent |
| » Business Owner | » Financer | » Sales Agent |
| » Chief Revenue Agent | » Financial Analyst | » Tax Examiner |
| » Collector | » Insurance Agent | » Tax Preparation |
| » Compliance Officer | » Investment Advisor | » Title Researcher and Examiner |
| » Controller | » Investment Analyst | » Treasurer |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number	TCSG Course Name	GA DOE Course Name
N / A	N / A	Business Essentials
BUS 1320	Business Interaction Skills	Banking and Investing
		Insurance and Risk Management
BUS 141	Insurance and Business Environment	

It is the policy of the Clarke County School District to offer the opportunity to students to participate in appropriate programs and activities without regard to color, creed, national origin, handicap or gender.



In this career pathway, students will learn about the basic elements of law and justice. They will learn basic legal concepts including legal research and the court structure. In addition, students will learn the basics of the criminal justice system including investigation and detention, and will apply them to a variety of settings. Students will have the opportunity to apply their classroom skills with applied experiences with local law offices and law enforcement agencies. Students will need a college degree in some of the occupations in this area, but this pathway lays the foundation for that coursework. College coursework is available to help students gain the skills that can continue to be developed in postsecondary education.

Courses Offered

- » 43.43000 Introduction to Law and Justice
- » 43.43500 Law, Community Response and Policing
- » 43.43300 Criminal Investigation and Forensics
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » National Law, Public Safety, Security and Corrections Core
- » Assessment (LPSSC), Criminal Justice Skills Connect

Career Options

- | | | |
|---|-------------------------------------|--------------------------------------|
| » Animal Control Officer | » Detention Deputy | » Legal Secretary |
| » Attorney | » Federal Marshal | » Magistrate |
| » Case Manager | » File and Document Manager | » Negotiator |
| » Case Management Specialist | » Fish and Game Enforcement Officer | » Paralegal |
| » Community Corrections Practitioner | » Forensic Science Technician | » Police and Patrol Officer |
| » Correctional Trainer | » Information Officer | » Private Detective and Investigator |
| » Corrections Educator | » Investigator | » Probation / Parole Officer |
| » Corrections Officer | » Jail Administrator | » Program Coordinator and Counselor |
| » Court Administrator / Bailiff | » Judge | » Public Information Officer |
| » Court Reporter | » Law Clerk | » Sheriff and Deputy Sheriff |
| » Criminal Investigator / Special Agent | » Legal Assistant | » Youth Services Worker |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

CRJ 101

CRJ 102

CRJ 105

TCSG Course Name

Introduction to Criminal Justice

Introduction to Constitutional Law

Introduction to Criminal Procedure

GA DOE Course Name

Introduction to Law and Justice

Law, Community Response, and Policing

Criminal Investigations and Forensics



Music Production

Music Production

Students will have the opportunity to learn the music business industry and music production. Because of the growing music industry in Athens, there will be opportunities to better understand the various aspects of the music business. Through applied experiences both in and out of the classroom, students will gain important skills that can be deepened with continued college coursework and experience.

Courses Offered

- » Music Production I
- » Music Production II
- » Music Production III
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » Currently Unavailable

Career Options

- » Broadcast Music Producer
- » Music Producer
- » Broadcaster
- » Music / Video Producer
- » DJ
- » Sound Editor
- » Film Industry Maker
- » Sound Engineer

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number	TCSG Course Name	GA DOE Course Name
N / A	N / A	Music Production I
N / A	N / A	Music Production II
N / A	N / A	Music Production III



Although the current economic situation has put pressure on every part of the job market, it is true that small business can make the biggest impact in hiring new positions. Although a college degree is not required, significant experience and understanding of the business environment are critical for success. This pathway will provide a good foundation, and with college courses and applied learning experiences, students can be competitors.

Courses Offered

- » 06.41600 Business Essentials
- » 06.41500 Legal Environment of Business
- » 06.41700 Entrepreneurial Ventures
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » Fundamental Business Concepts

Career Options

- » Accounting Manager
- » Accounts Payable Manager
- » Administrative Services Manager
- » Assistant Credit Manager
- » Association Manager
- » Banking
- » Business and Development Manager
- » Chief Executives
- » Compensation and Benefits Manager
- » Credit and Collections Manager
- » Entrepreneur
- » Facilities Manager
- » Finance
- » First Line Supervisor
- » General Manager
- » Government Management
- » Hospital Management
- » Human Resource Manager
- » Human Resources Staff
- » Management Analyst
- » Manufacturing
- » Manufacturing Management
- » Meeting and Convention Planner
- » Operations Manager
- » Payroll Manager
- » Public Organization Management
- » Public Relations Manager
- » Purchasing Management
- » Retail
- » Risk Manager
- » Service
- » Small Business Owner
- » Sports and Entertainment Manager

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

N / A
ACC 155
N / A

TCSG Course Name

N / A
Legal Environment of Business
N / A

GA DOE Course Name

Business Essentials
Legal Environment of Business
Entrepreneurial Ventures



Therapeutic Services: Medical Services

Therapeutic Services: Medical Services

In the healthcare industry, students may pursue many diverse pathways. The therapeutic services pathway provides a basic introduction to the field of medicine and therapeutic services. Students will learn about the basic foundations of healthcare and medicine, and can then continue to add additional postsecondary coursework to gain the specific training that will lead to a specific occupation.

Courses Offered

- » 25.52100 Introduction to Healthcare Science
- » 25.52200 Applications of Therapeutic Services
- » 25.52500 General Medicine
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Industry Credentials

- » National Healthcare Foundations Skill Standards Assessment
- » Certified Patient Care Technician
- » Certified Operating Room Surgical Technician
- » EKG Technician
- » National Certified ECG Technician (NCET)
- » National Certified Insurance and Coding Specialist (NCICS)
- » National Certified Medical Assistant (NCMA)
- » National Certified Medical Office Assistant (NCOMA)
- » National Certified Patient Care Technician (NCPCT)
- » National Certified Phlebotomy Technician (NCPT)
- » Tech in Surgery-Certified (TS-C)



Career Options *With requisite postsecondary coursework, students could enter any number of healthcare fields:*

- | | | | |
|--------------------------------|----------------------------|----------------------------------|---------------------------|
| » Acupuncturist | » Dietitian | » Mortician | » Physician |
| » Anesthesiologist Assistant | » Exercise Physiologist | » Nurse | » Psychologist |
| » Athletic Trainer | » Health Administration | » Occupational Therapist | » Recreation Therapist |
| » Certified Nursing Assistant | » Home Health Aide | » Optometrist | » Registered Nurse |
| » Chiropractor | » Licensed Practical Nurse | » Pathologist | » Respiratory Therapist |
| » Dental Assistant / Hygienist | » Massage Therapist | » Physical Therapist / Assistant | » Social Worker |
| » Dental Lab Technician | » Medical Assistant | » Physician (MD / DO) | » Surgical Technician |
| » Dentist | » Medical Lab Technician | » Physician's Assistant | » Veterinarian / Vet Tech |
| » Diagnostic Technician | | | |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

AHS 104

AHS 1101

N / A

TCSG Course Name

Intro to Health Care

Anatomy and Physiology

N / A

GA DOE Course Name

Introduction to Healthcare Science

Applications of Therapeutic Services

General Medicine

Therapeutic Services: Nursing

In the healthcare industry, students may pursue many diverse pathways. The therapeutic services pathway provides a basic introduction to the field of medicine and therapeutic services. Students will learn about the basic foundations of healthcare and medicine and can then continue to add additional postsecondary coursework to gain the specific training that will lead to a specific occupation.

Courses Offered

- » 25.52100 Introduction to Healthcare Science
- » 25.52200 Applications of Therapeutic Services
- » 25.56100 Nursing Essentials
- » Work Based Learning / Youth Apprenticeship Program
- » College Coursework

Career Options

With requisite postsecondary coursework, students could enter any number of healthcare fields:

- | | | |
|---------------------------------|----------------------------------|----------------------------------|
| » Anesthesiologist Assistant | » Health Administration | » Physical Therapist / Assistant |
| » Art / Music / Dance Therapist | » Home Health Aide | » Physician (MD / DO) |
| » Athletic Trainer | » Licensed Practical Nurse | » Physician Assistant |
| » Audiologist | » Massage Therapist | » Psychologist |
| » Certified Nurse Assistant | » Medical Assistant | » Recreation Therapist |
| » Chiropractor | » Medical Lab Technician | » Registered Nurse |
| » Dental Assistant / Hygienist | » Medical Support | » Respiratory Therapist |
| » Dental Lab Technician | » Occupational Therapist / Asst. | » Surgical Technician |
| » Dentist | » Ophthalmic Medical Personnel | » Veterinarian / Vet Tech |
| » Diagnostic Services | » Optometrist | |
| » Exercise Physiologist | » Pathologist | |

College Courses

Below are courses that align with requirements from the Georgia Department of Education and The Technical College System of Georgia. These courses enable students to earn credit for high school and college at the same time.

TCSG Course Number

AHS 104
AHS 1101
AHS 103

TCSG Course Name

Intro to Health Care
Anatomy and Physiology
Nutrition Diet Therapy

GA DOE Course Name

Introduction to Healthcare Science
Applications of Therapeutic Services
Nursing Essentials

