



2026-2027

ACADEMIC

PROGRAM GUIDE

Achieving
Excellence,
Innovation,
& Empowerment
Together.

BUSINESS EDUCATION



AP Computer Science A
AP Computer Science Principles
Accounting 1, 2
Business Law
Career Internship Program
Computer Applications (Microsoft)
Computer Concepts & Software Applications (Google)
Consumer Economics
INCubatoredu
Introduction to Business
Marketing
MobileMakersEdu 1
MobileMakersEdu 2
PC Repair & Maintenance (A+)
Programming in Python
Web Page Development

Office of Business Education

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Business Education Department Mission Statement

Career and Technical Education allows students to explore their interests and abilities through a wide range of courses and experiences. CTE equips students with the ability to apply academic skills to the exploration of career pathways. Through hands-on activities, project-based learning, and partnering with industry and educational institutions, CTE prepares students for careers and provides opportunities for post-secondary credits and industry certifications

Programs	South Campus 9-10	North Campus 11-12
Accounting	Introduction to Business Accounting 1	Accounting 1 & 2 INCubatoredu
Business Administration	Introduction to Business	Business Law Computer Applications (MOS) Introduction to Business INCubatoredu
Computer Science	AP Computer Science Principles Computer Applications (MOS) Computer Concepts & Software App. MobileMakersEdu 1 PC Repair & Maintenance (A+) Programming in Python Webpage Development	AP Computer Science A Computer Applications (MOS) Computer Concepts & Software App. MobileMakerEdu 1 MobileMakerEdu 2 PC Repair & Maintenance (A+) Programming in Python Webpage Development
Marketing	Computer Applications (MOS) Introduction to Business Computer Concepts & Software App. Web Page Development	Computer Applications (MOS) Introduction to Business Computer Concepts & Software App. Marketing Webpage Development
Technology	AP Computer Science Principles Computer Concepts & Software App. MobileMakersEdu 1 PC Repair & Maintenance (A+) Programming in Python Webpage Development	AP Computer Science A Computer Applications (MOS) Computer Concepts & Software App. MobileMakerEdu 1 MobileMakerEdu 2 PC Repair & Maintenance (A+) Programming in Python Webpage Development

Business Education Department Mission Statement

The Business Education Department has established standards for student learning that both guide its courses and programs challenge students academically. There are six general standards as titled and stated below. In addition, each general standard has specific student learning standards that are available upon request. Finally, specific standards for each course and program have been developed, and these are distributed to students at the beginning of each semester or annual course.

Business Education programs will include experiences that provide for...

- | | |
|---------------------|---|
| Standard I | Career Awareness
study and understanding of business-related careers and for the evaluation of activities in the workplace. |
| Standard II | Communication Skills
Effective use of communication skills |
| Standard III | Technological Knowledge and Skills
study and understanding of business-related technological hardware and software.. |
| Standard IV | Work Ethics
Study and understand practical and ethical behavior. |
| Standard V | Business Principals
study and general understanding of the business world and basic skills for business management |
| Standard VI | Economic Literacy
study and understanding of how people have organized for and worked within the production, distribution, and consumption of goods and services. |
- Personal Use: Students should select from appropriate courses to preview subject areas in which an interest exists as this may help in narrowing down possible college majors.
 - All courses listed under Business Education apply toward the Practical Arts graduation requirement except Consumer Economics.
 - **Independent Study:** As outlined in the Independent Study section, under specific conditions, students may make an application for Independent Study. In all cases, students must secure parent, teacher, counselor, divisional, and building administration approval. Independent Study may not be taken as an 8th semester/annual course.



Accounting I

Credit: 1/2

Level: IV

Grade Offered: 10, 11, 12

Fall: 10 BU5516

Spring: 10 BU5517

Fall: 11, 12 BU5511

Spring: 11, 12 BU5512

Prerequisite: None

This course is recommended for students who want to pursue a fundamental understanding of accounting for college and for a career. The practices of a business accounting program are presented. The theory of double-entry accounting and the accounting cycle are emphasized. Accounting is a basic requirement for college business majors. Problem applications will be presented to enhance understanding.

Accounting II

Credit: 1/2

Level: IV

Grade Offered: 11, 12

Spring: 11, 12 BU5522

Prerequisite: Accounting I

Accounting 2 builds on the foundational principles introduced in Accounting 1 and deepens students' understanding of accounting theory and business applications. The course inventory systems, and depreciation methods while emphasizing the preparation and interpretation of financial statements. Students gain hands-on experience recording transactions and managing the books for a simulated business during a typical accounting period. In addition to mastering key accounting procedures, students analyze how corporations record stock and bond transactions, prepare statements of cash flows, and use financial statement analysis to make informed business and investment decisions. The course concludes with departmental and manufacturing accounting, where students apply cost concepts and evaluate production decisions. Students may receive three college credits with College Dupage upon successful completion of this dual credit course.

AP Computer Science Principles

Credit: 1

Level: V

Grade Offered: 9, 10

Annual: 9, 10 BU9746

Annual: 9, 10 BU9747

Prerequisite: Algebra I

This course introduces the students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value and develop an interest in computer science that will foster further endeavors in the field.

AP Computer Science A

Credit: 1

Level: V

Grade Offered: 11, 12

Annual: 11, 12 BU9751

Annual: 11, 12 BU9752

Prerequisite: Algebra II (Prep) or concurrent enrollment

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. AP Computer Science A is equivalent to a first-semester, college-level course in computer science.

Business Law

Credit: 1/2

Level: III

Grade Offered: 11, 12

Fall: 11, 12 BU5811

Spring: 11, 12 BU5812

Prerequisite: None

This course enables the student to develop the ability to identify and evaluate the fundamental principles of law used in the business world and day-to-day business activities. It will aid students in understanding their legal rights, obligations, and responsibilities both personally and in the business world. The material covered includes a study of the essential elements of contracts, criminal and civil, fraud, capacity, court systems, real estate and estate planning. Students will study realistic cases and participate in a mock trial.

Computer Applications (Microsoft)

Credit: 1/2

Level: III

Grade Offered: 9, 10, 11, 12

Fall: 9, 10 BU4226

Spring: 9, 10 BU4227

Fall: 11, 12 BU4221

Spring: 11, 12 BU4222

Prerequisite: None

In order to remain current in today's ever-changing workplace, up-to-date computer skills are a necessity. Computer Applications will train students in the areas of Word, Excel, Access and PowerPoint. Using the Microsoft Office 2019 suite, students will become proficient with intermediate and advanced features of these programs. Students will gain hands-on experience completing projects using the various programs. This course will also assist students in other courses at Lyons Township High School, including development of proper formatting for research papers using the Modern Language Association (MLA) guidelines, which is a requirement of all research papers at LT. The goal of this course is to help students compete in today's world of technology and achieve success in whatever field they choose to pursue. Students may receive three college credits with College of DuPage upon successful completion of this dual credit course.

Consumer Economics

Credit: 1/2

Level: III

Grade Offered: 11, 12

Fall: 11, 12 BU0551

Spring: 11, 12 BU0552

Prerequisite: None

This course focuses on personal money management concerns that face all consumers. Topics to be studied include economics, insurance, investments, taxes, finance, comparison shopping, consumer protection, credit, and career planning.



INCubatoredu

Credit: 1

Level: IV

Grade Offered: 11, 12

Fall: 11, 12 BU5911

Spring: 11, 12 BU5912

Prerequisite: None

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Student teams will explore, research, pivot, iterate, and develop resilience as they work to solve problems they care about. Real-world entrepreneurs and business experts will serve as coaches and mentors, guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, and human resources, as well as the legal aspects of running business to get them geared up for Pitch Week. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality. Students may receive three college credits with College of DuPage upon successful completion of this dual credit course.

Introduction to Business

Credit: 1/2

Level: III

Grade Offered: 9, 10, 11, 12

Fall: 9, 10 BU5116

Spring: 9, 10 BU5117

Fall: 11, 12 BU5111

Spring: 11, 12 BU5112

Prerequisite: None

Would you like to learn how businesses are operated and managed in our global society? Getting involved in the business world is the objective of this learning experience. Students will gain a foundation in business ownership, human resources, marketing, ethics, accounting, finance, governmental regulation and law. Students will have the unique opportunity to create a business plan, prototype, and participate in a real-world shark tank presentation. As you explore these areas, take your first step toward becoming a business leader of tomorrow. This course should be considered a survey to the other courses in the Business Education Department.

Computer Concepts & Software Applications

(Google Suite)

Credit: 1/2

Level: III

Grade Offered: 9, 10, 11, 12

Fall: 9, 10 BU5416

Spring: 9, 10 BU5417

Fall: 11, 12 BU5411

Spring: 11, 12 BU5412

Prerequisite: None

This course is designed to equip students with the essential skills needed to enhance their productivity through proficient keyboarding techniques and the effective utilization of Google Workspace applications. Students will develop mastery in typing technique and efficiency, enabling them to navigate digital environments with speed and accuracy. Additionally, students will explore the diverse functionalities of Google Workspace tools such as Google Docs, Sheets, Slides, Mail and Drive, learning how to leverage these applications in their courses at Lyons Township High School. By the end of this course, students will emerge as confident typists with the ability to harness the full potential of Google Workspace tools to optimize their productivity in academic, professional, and personal endeavors. Keyboarding skills are required for further course work in Computer Applications (MOS), Programming in Python, Web Development and MobileMakersEdu. Students may receive three college credits with College of DuPage upon successful completion of this dual credit course. Students may receive three college credits with College of DuPage upon successful completion of this dual credit course.

Marketing

Credit: 1/2

Level: III

Grade Offered: 11, 12

Fall: 11, 12 BU4711

Spring: 11, 12 BU4712

Prerequisite: None

Have you noticed marketing is all around us? Did you know that each marketing campaign is designed around a target market? You will have the opportunity to brand your own product. Every specific piece of the plan is selected and geared towards that target market. Learn how tools and strategies come together to convince the buyer to say, "YES, I want it!"

MobileMakersedu I

Credit: 1/2

Level: III

Grade Offered: 9, 10, 11, 12

Fall: 9, 10 BU4956

Spring: 9, 10 BU4957

Fall: 11, 12 BU4951

Spring: 11, 12 BU4952

Prerequisite: Algebra I

MobileMakersEdu 1 provides students an opportunity to create Apple iPhone applications by building and deploying iOS applications with the programming language Swift. Students use problem-solving skills to produce iOS apps that solve everyday problems. These apps will grow in complexity throughout the semester. By the end of the course, students will have several working applications that they can load onto an iPhone or iPad. No prior programming knowledge is required, but solid keyboarding skills and strong mathematical reasoning are recommended. This course is a prerequisite for MobileMakersEdu 2.

MobileMakersedu II

Credit: 1/2

Level: IV

Grade Offered: 11, 12

Fall: 11, 12 BU4961

Spring: 11, 12 BU4962

Prerequisite: MobileMakersEdu I

MobileMakersEdu 2 builds on skills learned in MobileMakersEdu 1. Students will construct and deploy advanced iOS applications using complex programming skills and iOS frameworks. Functionality such as GPS and mapping features, physics engines, and external databases are included. Details of object-oriented programming and data structures will be covered. Students leave with a portfolio of iOS apps and an appreciation for the skill sets needed in Computer Science. MobileMakersEdu 1 is a prerequisite for this course.

“Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn.”

~ Stephan Hawkings



PC Repair & Maintenance

Credit: 1
Level: III
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 BU4836
Spring: 9, 10 BU4837
Fall: 11, 12 BU4831
Spring: 11, 12 BU4832
Prerequisite: None

As technology continues to evolve, there are more A+ computer service technician jobs than there are people to fill them. The A+ PC Repair course allows you to take industry recognized certification exams at a discount to LT students. Students who complete the course will become knowledgeable in troubleshooting, configuring, upgrading, preventive maintenance, safety, deploying, repairing, and using PC devices, laptops, smartphones, tablets, printers, and wired/wireless networks. Students are offered the opportunity to receive 6 hours of dual credit through College of DuPage, at no additional cost. This is a hands-on class that includes working in a computer lab with devices and networks to learn and utilize computer repair skills. Students may receive six (6) college credits with College of DuPage upon successful completion of this dual credit course.

Programming & Python

Credit: 1/2
Level: III
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 BU4466
Spring: 9, 10 BU4467
Fall: 11, 12 BU4461
Spring: 11, 12 BU4462
Prerequisite: None

Programming in Python is an introduction to computer programming for solving practical problems encountered in daily life. Python is a very useful language that is used in careers in the sciences, finance, engineering, and software. Students will learn programming in a hands-on environment, programming both at home and in a computer lab at school. Students will learn programming concepts like decisions, loops, input and output of data, data structures, and modular programming of functions/methods. Emphasis is placed on writing well-structured programs that are user-friendly. Students do not need any prior programming experience, but solid keyboarding skills and strong mathematical reasoning are recommended.

Webpage Development

Credit: 1/2
Level: III
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 BU4846
Spring: 9, 10 BU4847
Fall: 11, 12 BU4841
Spring: 11, 12 BU4842
Prerequisite: None

Are you interested in creating websites and learning about various aspects of the Internet? Web Development concentrates on creating web pages using Hyper Text Markup Language (HTML) and Cascading Style Sheets (CSS). Current topics such as Internet safety and social media are also discussed. Students will work on a final project in a group to develop a website for a local business or non-profit organization.

Career Internship

Credit: 1/2 (dc)
Level: IV
Grade Offered: 12
Fall: 11, 12 BU5551
Spring: 11, 12 BU5552
Summer: BU5558 or BU5559

This course is designed for a student who is seeking to complete an internship in partnership with LTHS. Detailed information about qualifying for a Career Internship Program class can be found in the Career Internship Guidelines for Approval section of the Guide. An application does not guarantee admission.

Have you ever considered a career in business?

Then you should consider taking courses such as:

- Accounting
- Business Law
- Computer Applications (MOS)
- Economics
- INCubatoredu
- Introduction to Business
- Computer Concepts & Software Applications Marketing

Have you ever considered a career in technology?

Then you should consider taking courses such as:

- AP Computer Science A
- AP Computer Science Principles
- Computer Applications (MOS)
- Computer Concepts & Software Applications MobileMakersEdu 1 & 2
- PC Repair and Maintenance (A+)
- Programming in Python
- Web Page Development

Business Education Classes

When choosing Annual Courses, you will need the first and second semester codes.

Freshmen

Fall Only

BU5116 Introduction to Business
BU5416 Computer Concepts & Software Applications
BU4226 Computer Applications (MOS)

Spring Only

BU5117 Introduction to Business
BU5417 Computer Concepts & Software Applications
BU4227 Computer Applications (MOS)

Computer Technology

Annual Course

BU9746/7 AP Computer Science Principles
BU4836/7 PC Repair & Maintenance (A+)

Fall Only

BU4956 MobileMakersEdu 1
BU4846 Web Page Development
BU4466 Programming in Python

Spring Only

BU4957 MobileMakersEdu 1
BU4847 Web Page Development
BU4467 Programming in Python

Sophomore Courses

Fall Only

BU5116 Introduction to Business
BU5516 Accounting 1
BU5416 Computer Concepts & Software Applications
BU4226 Computer Applications (MOS)

Spring Only

BU0552 Consumer Economics
BU5512 Accounting 1
BU5522 Accounting 2
BU5812 Business Law
BU5112 Introduction to Business
BU5412 Computer Concepts & Software Applications
BU4222 Computer Applications (MOS)
BU4712 Marketing

Fall or Spring

BU5551/2 Career Internship

Computer Technology

Annual

BU9751/2 AP Computer Science A

Spring Only

BU5117 Introduction to Business
BU5517 Accounting 1
BU5417 Computer Concepts & Software Applications
BU4227 Computer Applications (MOS)

Computer Technology

Annual

BU9746/7 AP Computer Science Principles
BU4836/7 PC Repair & Maintenance (A+)

Fall Only

BU4956 MobileMakersEdu 1
BU4846 Web Page Development
BU4466 Programming in Python

Spring Only

BU4956 MobileMakersEdu 1
BU4846 Web Page Development
BU4466 Programming in Python

Junior and Senior Courses

Fall Only

BU0551 Consumer Economics
BU5511 Accounting 1
BU5811 Business Law
BU5111 Introduction to Business
BU5411 Computer Concepts & Software Applications
BU4221 Computer Applications (MOS)
BU4711 Marketing

BU5911/2 INCubatoredu

BU4831/2 PC Repair & Maintenance (A+)

Fall Only

BU4951 MobileMakersEdu 1
BU4961 MobileMakersEdu 2
BU4461 Programming in Python
BU4841 Web Page Development

Spring Only

BU4952 MobileMakersEdu 1
BU4962 MobileMakersEdu 2
BU4462 Programming in Python
BU4842 Web Page Development

Honor our tradition of excellence, foster innovation, and empower all students in their quest for a fulfilling life.

