The Spartan Guide to Career Pathways

OLCHS Programs of Study

Oak Lawn Community High School
9400 Southwest Highway
Oak Lawn, IL 60453
708-424-5200
www.olchs.org
www.olchsstudentservices.com

Dear Spartan,

Welcome to the OLCHS Guide to Career Pathways! The information in this guide is meant to help students and families identify opportunities available to them based on career interests. By no means is this a comprehensive guide, but rather a few suggestions to start a conversation about "the next step."

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included in each pathway list of courses. Personal interests and hobbies may not always be reflected in the pathway list of courses; each list pertains to *career* interests only. Students are strongly encouraged to round-out their course selection with electives that will nourish their personal interests and hobbies as well as courses that help them plan for the future.

Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

OLCHS School Counselors are ready to help with this planning process, so please do not hesitate to contact them with questions about your coursework and career goals.

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What Is the Agriculture, Food and Natural Resources Career Cluster?
This diverse Career Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural products and services, including food, fiber, wood products, natural resources, horticulture, and other plant & animal products. It also includes related professional, technical and educational services.

Possible/Related Careers for the Agriculture, Food and Natural Resources Career Cluster
There are over 70 careers related to the Agriculture, Food and Natural Resources Career Cluster, including but not limited to the following examples:

- Agricultural Educator
- Botanist
- Ecologist
- Environmental Compliance Manager
- Environmental Engineer
- Farm Manager
- Fish and Game Officer
- Park Manager
- Produce Buyer
- Recycling Technician
- Wildlife Manager
- Veterinarian

Possible/Related Majors for the Agriculture, Food and Natural Resources Career Cluster
There are an increasing number of college majors related to the Agriculture, Food and Natural Resources Career Cluster, and among the most common are:

- Agribusiness or Agricultural Business
- Animal Sciences
- Environmental Sciences
- Food Science
- Forestry
- Landscaping & Groundskeeping
- Natural Resource Economics
- Parks, Recreation & Leisure Studies
- Sustainability Studies

Related OLCHS Co-Curricular Activities for the Agriculture, Food and Natural Resources Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Agriculture, Food and Natural Resources Career Cluster are:

- Fishing Team
- STEM Club

Related Service Learning Sites for the Agriculture, Food and Natural Resources Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Agriculture, Food and Natural Resources Career Cluster are:

Name	Location
The Center Children's Farm	12700 Southwest Highway, Palos Park
Cook County Forest Preserve	Various sites available
Lake Katherine Nature Preserve	7402 Lake Katherine Drive, Palos Heights
Little Red Schoolhouse	9800 South 104th Ave., Willow Springs
Oak Lawn Park District – Garden Club	Various sites available
Ronald McDonald House "Green Thumbs" Program	Ronald McDonald House near Advocate Children's Hospital 4410 W. 93rd St., Oak Lawn
The Village of Oak Lawn Forestry Department and Green Team	Village Hall, 9440 S. Raymond Ave., Oak Lawn

Aligned Elective Courses for the Agriculture, Food and Natural Resources Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X	X	X
Web Design	X	X	X	X
Accounting 1 or 1H		X	X	X
Accounting 2			X	X
Family & Consumer Sciences				
Intro to Child Development & Culinary Arts	X	X		
Baking & Pastry	X	X	X	X
Culinary Arts 1	X	X	X	X
Culinary Arts 2	X	X	X	X
Advanced Baking & Pastry		X	X	X
Advanced Culinary Arts		X	X	X
Culinary Management		X	X	X
Independent Study – Culinary Arts				X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Automotive Essentials	X	X	X	X
Electricity and Electronics 1	X	X	X	X
Electricity and Electronics 2	X	X	X	X
PLTW: Intro to Engineering Design*	X	X	X	X
Woods 1	X	X	X	X
Woods 2	X	X	X	X
Automotive Maintenance & Light Repair		X	X	X
PLTW: Principles of Engineering*		X	X	X
Advanced Auto Technology			X	X
Advanced Woodworking			X	X
PLTW: Civil Engineering & Architecture*			X	X
PLTW: Engineering Design & Development*			X	X
Independent Study: Woods				X
Math				
Transition to College Math				X
Pre-Calculus or Pre-Calculus Honors				X
AP Statistics*				X
AP Calculus*				X
Science				
Advanced Biology – Gene Technology & Forensic Science			X	X
Advanced Chemistry			X	X
Environmental Science			X	X
Zoology			X	X
AP Biology*			X	X
AP Chemistry*			X	X
Applied Physics				X
AP Physics C: Mechanics*				X
Social Science				
Geography	X	X	X	X
AP Human Geography	X	X	X	X
AP Microeconomics*			X	X
AP Macroeconomics*			X	X
Economics			X	X
International Relations			X	X
Law in American Society			X	X
Career Exploration				
Shielded Metal Welding Program*			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Architecture and Construction Career Cluster?
This diverse Career Cluster prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

Possible/Related Careers for the Architecture and Construction Career Cluster
There are over 70 careers related to the Architecture and Construction Career Cluster, including but not limited to the following examples:

- Architect
- Building Inspector
- Carpenter
- Civil Engineer
- Construction Manager
- Drafter
- GIS Specialist
- HVAC Tech
- Landscape Architect
- Plumber
- Solar Energy Tech
- Welder

Possible/Related Majors for the Architecture and Construction Career Cluster
There are an increasing number of college majors related to the Architecture and Construction Career Cluster, and among the most common are:

- Architecture
- Building Construction Technology
- Civil Engineering
- Construction Management
- Drafting & Design Technology
- Environmental Engineering
- Mechanical Drafting CAD
- Survey Technology
- Various Union Apprenticeships

Related OLCHS Co-Curricular Activities for the Architecture and Construction Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Architecture and Construction Career Cluster are:

- Drama Crew
- STEM Club

Related Service Learning Sites for the Architecture and Construction Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Architecture and Construction Career Cluster are:

Name	Location
The Center Children's Farm	12700 Southwest Highway, Palos Park
Cook County Forest Preserve	Various sites available
Cross Countries	OLCHS-based group
Habitat for Humanity	Various sites available
Lake Katherine Nature Preserve	7402 Lake Katherine Drive, Palos Heights
Little Red Schoolhouse	9800 South 104th Ave., Willow Springs
The Village of Oak Lawn Forestry Department & Green Team	Village Hall, 9440 S. Raymond Ave., Oak Lawn

Aligned Elective Courses for the Architecture and Construction Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Art				
Exploring Drawing and MultiMedia	X	X	X	X
Sketching & Drawing		X	X	X
Clay Construction and Clay Construction II		X	X	X
AP Studio Art*				X
Business				
Entrepreneurship	X	X	X	X
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Accounting 1 or 1H*		X	X	X
Accounting 2			X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Electricity & Electronics I*	X	X	X	X
Electricity & Electronics II*	X	X	X	X
PLTW: Introduction to Engineering Design*	X	X	X	X
Woods 1	X	X	X	X
Woods 2	X	X	X	X
PLTW: Principles of Engineering*		X	X	X
PLTW: Civil Engineering & Architecture*			X	X
PLTW: Engineering Design & Development*			X	X
Advanced Woodworking			X	X
Independent Studies: Woods				X
Math				
Transition to College Math				X
Pre-Calculus				X
Pre-Calculus Honors				X
AP Statistics*				X
AP Calculus*				X
Science				
Advanced Chemistry			X	X
AP Chemistry*			X	X
Environmental Science			X	X
Applied Physics				X
AP Physics C: Mechanics*				X
Social Science				
Geography	X	X	X	X
AP Human Geography	X	X	X	X
Economics			X	X
History of Chicago			X	X
AP Microeconomics*			X	X
AP Macroeconomics*			X	X
Career Exploration				
Heating and Air Conditioning Program			X	X
Shielded Metal Welding Program			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What is the Arts, A/V Technology Communications Career Cluster?
This cluster offers two different avenues of concentration:

1. Careers in the Performing Arts, Visual Arts or certain aspects of Journalism, Broadcasting and Film require courses and activities that challenge students' creative talents.
2. Careers in Audio-Video Communications Technology, Telecommunications or Printing Technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science. All pathways require the ability to communicate effectively in both oral and written form. In addition, the creative aspects of this cluster are rapidly merging with the technological, making it even more challenging.

Possible/Related Careers for the Arts, A/V Technology & Communications Career Cluster
There are over 90 careers related to the Arts, A/V Technology & Communications Career Cluster, including but not limited to the following examples:

- Actor
- Audio-Video Engineer
- Computer Animator
- Fashion Designer & Merchandising
- Graphic Designer
- Journalist
- Musician
- Photographer
- Web Page Designer

Possible/Related Majors for the Arts, A/V Technology & Communications Career Cluster
There are an increasing number of college majors related to the Arts, A/V Technology & Communications Career Cluster, and among the most common are:

- Art/Art Studies
- AV Communication Technology
- Cinematography/Film Production
- Communication and Media Studies
- Dramatic and Theater Arts
- Graphic Design and Communication
- Journalism
- Music Technology
- Photography or Photojournalism

Related OLCHS Co-Curricular Activities for the Arts, A/V Technology & Communications Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Arts, A/V Technology & Communications Career Career Cluster are:

- Anime/Sci-Fi Club
- Fall Musical
- Pegasus
- Spartanite Newspaper
- Choir
- Forensics/Speech Team
- Photojournalism Club
- Visual Arts Club
- Drama Crew
- Jazz Band
- Shield Yearbook

Related Service Learning Sites for the Arts, A/V Technology & Communications Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Arts, A/V Technology & Communications Career Cluster are:

Name	**Location**
McCord Gallery & Cultural Center	129th & Lagrange Rd., Palos Park
Oak Lawn Public Library	9427 Raymond Ave., Oak Lawn
Dreams for Kids	Various locations
Various Elementary & Middle Schools – contact staff to find out how you can volunteer in art/music classrooms or after school programs!	
Various Nursing Homes and Hospitals – contact staff to find out how you can volunteer in Activities!	

Aligned Elective Courses for the Arts, A/V Technology & Communications Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Art				
Extreme Art	X	X	X	X
Exploring Drawing and MultiMedia	X	X	X	X
Art Beyond Our Walls		X	X	X
Clay Construction I and Clay Construction II		X	X	X
Painting		X	X	X
Photography 1		X	X	X
Photography 2: Digital or Studio		X	X	X
Sketching & Drawing		X	X	X
AP Art History			X	X
Comic Creation			X	X
Fall/Spring Studio Art			X	X
Independent Study: Photography				X
Senior Studio Art				X
AP Studio Art*				X
Business				
Mobile Apps Development I	X	X	X	X
Web Design	X	X	X	X
Mobile Apps Development II		X	X	X
Sports and Entertainment Marketing		X	X	X
English Electives				
Dramatic Arts			X	X
Mass Media Writing			X	X
Speech			X	X
Creative Writing				X
Literary Expressions				X
Literature and Film				X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Graphic Design 1	X	X	X	X
Graphic Design 2	X	X	X	X
Graphic Design Productions		X	X	X
Graphic Design Independent Study				X
Math				
AP Computer Science Principles	X	X	X	X
AP Statistics*				X
AP Computer Science*				X
Music				
Music Technology	X	X	X	X
Social Science				
History of Chicago			X	X
International Relations			X	X
Psychology			X	X
Sociology			X	X
AP Psychology*			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Business, Management & Administration Career Cluster?
The Business, Management & Administration Cluster prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Possible/Related Careers for the Business, Management & Administration Career Cluster
There are over 60 careers related to the Business, Management & Administration Career Cluster, including but not limited to the following examples:

- Accountant
- Advertising Executive
- Business Analyst
- Economist
- Entrepreneur
- Financial Planner
- Human Resource Manager
- Marketing Specialist
- Mortgage Broker
- Office Manager
- Public Relations Specialist
- Technical Sales Representative

Possible/Related Majors for the Business, Management & Administration Career Cluster
There are an increasing number of college majors related to the Business, Management & Administration Career Cluster, and among the most common are:

- Accounting
- Business Administration and Management
- Entrepreneurial Studies
- Human Resources Development
- International Business
- Labor Studies
- Marketing
- Organizational Behavior Studies and/or Leadership
- Public Relations

Related OLCHS Co-Curricular Activities for the Business, Management & Administration Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Business, Management & Administration Career Cluster are:

- Class Advisory Boards
- Forensics/Speech Team
- International Club
- Mathletes
- National Honor Society
- Student Council
- Student Helpers
- World Languages Club

Related Service Learning Sites for the Business, Management & Administration Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Business, Management & Administration Career Cluster are:

Name	**Location**
Neat Repeats Resale	7026 W. 111th, Worth 9028 W. 159th, Orland Park
Pass it On Thrift Center	5435 W. 127th St., Crestwood
Local Chapters of National Organizations – a great way to learn about organizational leadership and non-profit finance!	

Aligned Elective Courses for the Business, Management & Administration Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X	X	X
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development I	X	X	X	X
Web Design	X	X	X	X
Mobile Apps Development II		X	X	X
Accounting 1 or 1H		X	X	X
Sports and Entertainment Marketing		X	X	X
Accounting 2			X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Graphic Design I	X	X	X	X
Graphic Design II	X	X	X	X
Computer Servicing I		X	X	X
Computer Servicing II		X	X	X
Technology Support Internship		X	X	X
Graphic Design Productions		X	X	X
Independent Study: Computers				X
Independent Study: Graphic Design				X
Independent Study: Technology Support Internship				X
Math				
AP Computer Science Principles*	X	X	X	X
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
Transition to College Math				X
AP Calculus*				X
AP Statistics*				X
Science				
Environmental Science			X	X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X

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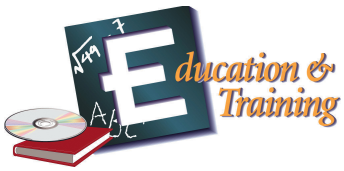

What Is the Education and Training Career Cluster?
This diverse Career Cluster prepares learners for careers in planning, managing and providing education and training services, and related learning support services. Millions of learners each year train for careers in education and training in a variety of settings that offer academic instruction, career technical instruction, and other education and training services.

Possible/Related Careers for the Education and Training Career Cluster
There are over 40 careers related to the Education and Training Career Cluster, including but not limited to the following examples:

- Audiologist
- Career Counselor
- Coach
- Early Childhood Educator (Pre-K)
- Elementary School Teacher
- ESL Teacher
- High School Teacher
- Librarian
- Middle School Teacher
- Principal
- School Counselor
- Social Worker

Possible/Related Majors for the Education and Training Career Cluster
There are an increasing number of college majors related to the Education and Training Career Cluster, and among the most common are:

Education
- Early Childhood
- Elementary
- Secondary, paired with subject area major
- English Language Learners
- Special Education

- Library Science
- School Counseling (MA)
- Social Work (MS)
- Speech Pathology (MS)

Related OLCHS Co-Curricular Activities for the Education and Training Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Education and Training Career Cluster are:

- Class Advisory Boards
- Mathletes
- Pep Club
- Forensics/Speech Team
- National Honor Society
- Student Council
- History Club
- Peer Mediation
- Student Helpers

Related Service Learning Sites for the Education and Training Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Education and Training Career Cluster are:

Name	Location
Oak Lawn Park District and/or Special Recreation Association	Various in Oak Lawn
Children's Museum of Oak Lawn	9600 E. Shore Drive, Oak Lawn
Oak Lawn Public Library	9427 Raymond Ave., Oak Lawn
Various Elementary & Middle Schools – contact staff to find out how you can volunteer in classrooms or after school programs!	
Various Religious Centers – contact staff to find out how you can volunteer in religious ed classrooms or children's programs!	

Aligned Elective Courses for the Education and Training Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Business				
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Web Design	X	X	X	X
English				
Speech			X	X
College Writing 1 & 2*				X
Family & Consumer Sciences				
Intro to Child Development & Culinary Arts	X	X		
Child Development		X	X	X
Advanced Child Development		X	X	X
Parenting		X	X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
Transition to College Math				X
Pre-Calculus				X
Pre-Calculus Honors				X
AP Calculus*				X
AP Statistics*				
Physical Education				
Peer Training		X	X	X
Junior Leadership Training & Lifeguarding			X	
Senior Leaders				X
Science				
Anatomy & Physiology – Chemical			X	X
Anatomy & Physiology – Physical			X	X
AP Biology*				X
Social Science				
AP Human Geography	X	X	X	X
Geography	X	X	X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
AP Psychology*			X	X

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***Students interested in Secondary Education are encouraged to explore all the elective course offerings in the content-area of interest.*

What Is the Finance Career Cluster?
The Finance Cluster prepares learners for careers in financial and investment planning, banking, insurance and business financial management.

Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Possible/Related Careers for the Finance Career Cluster
There are a variety of careers related to the Finance Career Cluster, including but not limited to the following examples:

- Accountant
- Actuary
- Bank Manager
- Economist
- Financial Planner
- Forensic Accountant
- Insurance Agent
- Investment Banker
- Loan Officer
- Research Analyst
- Trader
- Venture Capitalist

Possible/Related Majors for the Finance Career Cluster
There are an increasing number of college majors related to the Finance Career Cluster, and among the most common are:

- Accounting
- Actuarial Sciences
- Auditing
- Banking and Financial Institutional Services
- Finance, General
- Financial Planning Services
- Insurance
- Investments & Securities
- Taxation

Related OLCHS Co-Curricular Activities for the Finance Career Cluster
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- Class Advisory Boards
- Mathletes
- Student Helpers
- Forensics/Speech Team
- National Honor Society
- World Languages Club
- International Club
- Student Council

Related Service Learning Sites for the Finance Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Finance Career Cluster are:

Name	Location
Neat Repeats Resale	7026 W. 111th, Worth 9028 W. 159th, Orland Park
Pass it On Thrift Center	5435 W. 127th St., Crestwood
Local Chapters of National Organizations – a great way to learn about organizational leadership and non-profit finance!	

Aligned Elective Courses for the Finance Career Cluster

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Department and Elective Courses	**9**	**10**	**11**	**12**
Business				
Entrepreneurship	X	X	X	X
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Accounting 1 or 1H		X	X	X
Accounting 2			X	X
Sports & Entertainment Marketing			X	X
Work-Study Program			X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
AP Computer Science Principles*			X	X
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
AP Calculus*				X
AP Statistics*				X
Transition to College Math				X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Government & Public Administration Career Cluster?
Government affects Americans in countless ways. In a democratic society, government is the means of expressing the public will. This includes a variety of activities. In fact, virtually every occupation can be found within government. There are, however, some activities that are unique to government. The federal government defends us from foreign aggression; represents American interests abroad; deliberates, passes and enforces laws; and administers many different programs.

State and local governments pass laws or ordinances and provide vital services to constituents. There are many opportunities in government in every career area. The Government and Public Administration Career Cluster focuses on those careers that are unique to government and not contained in another Career Cluster.

Possible/Related Careers for the Government & Public Administration Career Cluster
There are a variety of careers related to the Government and Public Administration Career Cluster, including but not limited to the following examples:

- Activist
- Ambassador
- City Manager
- Conservation Officer
- Elected Official
- Federal Agent
- Foreign Services Officer
- Immigration Officer
- Lobbyist
- Municipal Clerk
- Political Aide
- Policy Analyst

This cluster also represents military careers.

Possible/Related Majors for the Government & Public Administration Career Cluster
There are an increasing number of college majors related to the Government and Public Administration Career Cluster, and among the most common are:

- American Government
- Crisis Management
- Homeland Security
- International Relations
- Military Studies
- Political Science
- Public Administration
- Urban Planning
- Taxation

Related OLCHS Co-Curricular Activities for the Government & Public Administration Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Government and Public Administration Career Cluster are:

- Class Advisory Boards
- International Club
- Student Council
- Forensics/Speech Team
- Mathletes
- Student Helpers
- History Club
- National Honor Society
- World Languages Club

Related Service Learning Sites for the Government & Public Administration Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Government and Public Administration Career Cluster are:

Name	Location
Mrs. Jacky's Soldiers	Oak View Center, Oak Lawn
Muslim Civil Rights Center	7667 W. 95th St., Hickory Hills
Oak Lawn – Johnson Phelps VFW Post 5220 Stars Program	See Mrs. Kenny in Student Services Office 117
Oak Lawn Police Department CADETS Program	9446 S. Raymond Ave., Oak Lawn
Worth Township Youth Service Bureau	11601 S. Pulaski Rd., Alsip

Aligned Elective Courses for the Government & Public Administration Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X	X	X
Web Design	X	X	X	X
Accounting 1 or 1H		X	X	X
Sports and Entertainment Marketing		X	X	X
Accounting 2			X	X
English				
Speech			X	X
Mass Media Writing			X	X
College Writing 1 & 2*				X
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
Transition to College Math				X
AP Statistics*				X
Science				
Advanced Biology – Gene Technology & Forensic Science			X	X
Environmental Science			X	X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Health Science Career Cluster?
The Health Science Career Cluster orients students to careers that promote health, wellness, and diagnosis as well as treat injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, cruise ships, medivac units, sports arenas, space centers, or within the community.

Possible/Related Careers for the Health Science Career Cluster
There are over 100 careers related to the Health Science Career Cluster, including but not limited to the following examples:

- Athletic Trainer
- Dental Assistant or Hygienist
- Doctor
- Healthcare Administrator
- Medical Assistant
- Nurse
- Occupational Therapist
- Paramedic
- Perfusionist
- Pharmacist, Pharmacy Tech
- Physical Therapist
- Radiologist

Possible/Related Majors for the Health Science Career Cluster
There are an increasing number of college majors related to the Health Science Career Cluster, and among the most common are:

- Allied Health Services
- Athletic Training
- Clinical Nursing
- Dental Assisting or Hygiene
- Dietetics
- Health & Wellness, General
- Kinesiology
- Nursing
- Public Health

NOTE – Many colleges are eliminating traditional "Pre-Med" majors. A student should pick a major that satisfies the entrance requirements for medical school.

Related OLCHS Co-Curricular Activities for the Health Science Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Health Science Career Cluster are:

- Peer Mediation
- Students Against Destructive Decisions (SADD)
- STEM Club
- Student Helpers

Related Service Learning Sites for the Health Science Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Health Science Career Cluster are:

Name	Location
Christ Advocate Medical Center	4440 W. 95th St., Oak Lawn
Lifesource – Chicagoland Blood Centers	Various locations
Little Company of Mary Hospital	2800 W. 95th St., Evergreen Park
Local Chapter of National Organizations (i.e. American Diabetes Association, Red Cross)	
Various Retirement & Assisted Living Centers – contact the Volunteer/Activities Coordinator	

Aligned Elective Courses for the Health Science Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Business				
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
English				
Speech			X	X
Family & Consumer Sciences				
Intro to Child Development & Culinary Arts	X	X		
Child Development		X	X	X
Advanced Child Development		X	X	X
Parenting			X	X
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
Pre-Calculus			X	X
AP Calculus*				X
AP Statistics*				X
Pre-Calculus Honors				X
Transition to College Math				X
Physical Education				
Peer Training		X	X	X
Junior Leadership Training & Lifeguarding			X	
Sports Medicine 1 & 2			X	X
Senior Leaders				X
Science				
Advanced Biology – Gene Tech & Forensic Sci.			X	X
Anatomy & Physiology – Chemical Systems			X	X
Anatomy & Physiology – Physical Systems			X	X
Environmental Science			X	X
Introduction to Advanced Chemistry			X	X
AP Biology*			X	X
AP Chemistry*			X	X
Zoology			X	X
Social Science				
AP Human Geography*	X	X	X	X
Psychology			X	X
Sociology			X	X
AP Psychology*			X	X
Career Exploration				
Certified Nursing Assistant Program*				X
Emergency Medical Technician Program*				X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Hospitality and Tourism Career Cluster?
The Hospitality and Tourism Cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreational events and travel-related services. Hospitality operations are located in communities throughout the world.

Possible/Related Careers for the Hospitality and Tourism Career Cluster
There are a variety of careers related to the Hospitality and Tourism Career Cluster, including but not limited to the following examples:

- Baker
- Caterer
- Chef
- Curator
- Event Planner
- Flight Attendant
- Hotel Manager
- Recreation Director
- Restaurant Manager
- Sports Promoter
- Tour Guide
- Wedding Planner

Possible/Related Majors for the Hospitality and Tourism Career Cluster
There are an increasing number of college majors related to the Hospitality and Tourism Career Cluster, and among the most common are:

- Culinary Arts
- Facilities Planning & Managements
- Hospitality Administration & Management
- Hotel Management
- Event Planning
- Recreation and Tourism

Related OLCHS Co-Curricular Activities for the Hospitality and Tourism Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Hospitality and Tourism Career Cluster are:

- International Club
- Fishing Team
- Pep Club
- Student Helpers
- World Languages Club
-

Related Service Learning Sites for the Hospitality and Tourism Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Hospitality and Tourism Career Cluster are:

Name	Location
Community Nutrition Network	8925 S. Kostner Ave., Hometown
Lake Katherine Nature Preserve	7402 Lake Katherine Drive, Palos Heights
McCord Gallery & Cultural Center	129th & LaGrange Rd., Palos Park
Ronald McDonald House	4410 W. 93rd St., Oak Lawn
Various Retirement & Assisted Living Centers – contact the Volunteer/Activities Coordinator	

Aligned Elective Courses for the Hospitality and Tourism Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Art				
Exploring Drawing and MultiMedia	X	X	X	X
Photography I		X	X	X
Photography II: Digital		X	X	X
Photography II: Studio		X	X	X
AP Art History			X	X
Business				
Entrepreneurship	X	X	X	X
Mobile Apps Development	X	X	X	X
Web Design	X	X	X	X
Sports and Entertainment Marketing		X	X	X
Mobile Apps II		X	X	X
English				
Speech			X	X
Family & Consumer Sciences				
Intro to Child Development & Culinary Arts	X	X		
Baking and Pastry	X	X	X	X
Culinary Arts 1 & 2	X	X	X	X
Advanced Baking and Pastry		X	X	X
Culinary Management		X	X	X
Advanced Culinary Arts		X	X	X
Culinary Arts Independent Study				X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
Pre-Calculus/ Pre-Calculus Honors			X	X
Transition to College Math				X
AP Statistics*				X
Physical Education				
Adventure Education		X	X	X
Peer Training		X	X	X
Junior Leadership Training & Lifeguarding			X	
Senior Leaders				X
Science				
Environmental Science			X	X
Zoology			X	X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
Career Exploration				
Technology Support Internship		X	X	X
Independent Study: Technology Support Internship			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Human Services Career Cluster?
This diverse Career Cluster prepares individuals for employment in career pathways related to families and human needs.

There are thousands of challenging educational and training opportunities within the high-skilled world of Human Services. Learners need a solid background in communication, science and technical skills. Education and training can be obtained in high schools, technical colleges, two-year community colleges, four-year colleges/universities and career technical schools/institutes.

Possible/Related Careers for the Human Services Career Cluster
There are over 60 careers related to the Human Services Career Cluster, including but not limited to the following examples:

- Abuse/Crisis Counselor
- Career Counselor
- Cosmetologist
- Emergency Relief Worker
- Funeral Director
- Massage Therapist
- Mental Health Counselor
- Personal Trainer
- Sign Language Interpreter

Possible/Related Majors for the Human Services Career Cluster
There are an increasing number of college majors related to the Human Services Career Cluster, and among the most common are:

- Child Development
- Clinical Counseling
- Cosmetology
- Family & Consumer Sciences
- Human Services, General
- Mortuary Science
- Public Administration
- Social Sciences, General
- Youth Ministry

Related OLCHS Co-Curricular Activities for the Human Services Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Human Services Career Cluster are:

- Alliance
- Bible Talk
- Class Advisory Boards
- Forensics/Speech Team
- International Club
- Muslim Student Association
- National Honor Society
- Peer Mediation
- Students Against Destructive Decisions
- Student Council
- Student Helpers
- World Languages

Related Service Learning Sites for the Human Services Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Human Services Career Cluster are:

Name	Location
Arab American Family Services	5440 W. 87th St., Burbank
Community Nutrition Network	8925 S. Kostner Ave., Hometown
The Mosque Foundation Community Center	7360 W. 93rd St., Bridgeview
Muslim Civil Rights Center	7667 W. 95th St., Hickory Hills
South Suburban PADS	Various PADS sites in Oak Lawn (October – April)
Worth Township Youth Service Bureau	11601 S. Pulaski Rd., Alsip

Aligned Elective Courses for the Human Services Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X		
English				
Speech			X	X
Mass Media Writing			X	X
College Writing 1 & 2*				X
Family & Consumer Sciences				
Intro to Culinary Art & Child Development	X	X		
Child Development		X	X	X
Advanced Child Development		X	X	X
Parenting			X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
AP Statistics*				X
Physical Education				
Adventure Education		X	X	X
Peer Training		X	X	X
Junior Leadership Training & Lifeguarding			X	
Senior Leaders				X
Science				
Advanced Biology – Gene Technology & Forensic Science			X	X
Anatomy & Physiology – Chemical			X	X
Anatomy & Physiology – Physical			X	X
Environmental Science			X	X
AP Biology*			X	X
AP Chemistry*			X	X
Social Science				
AP Human Geography*	X	X	X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What is the Information Technology Career Cluster?
IT careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy—from Financial Services to Medical Services, from Business to Engineering and Environmental Services.

Anyone preparing for an IT career should have a solid grounding in math and science.

Possible/Related Careers for the Information Technology Career Cluster
There are a variety of careers related to the Information Technology Career Cluster, including but not limited to the following examples:

- Computer Animator
- Computer Programmer
- Database Administrator
- Desktop Publisher
- E-Business Consultant
- Electrical Engineer
- Network Security Analyst
- Web Page Designer

Possible/Related Majors for the Information Technology Career Cluster
There are an increasing number of college majors related to the Information Technology Career Cluster, and among the most common are:

- Computer & Information Sciences
- Computer Engineering
- Computer Science
- Digital Arts
- Information Technology
- Network & System Administration

Related OLCHS Co-Curricular Activities for the Information Technology Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Information Technology Career Career Cluster are:

- Mathletes
- Spartanite Newspaper
- Pegasus Magazine
- STEM Club
- Shield Yearbook
- Visual Arts

Related Service Learning Sites for the Information Technology Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Information Technology Career Cluster are:

Name	Location
Village of Oak Lawn e-Waste Program	5532 W. 98th St., Oak Lawn
Oak Lawn Public Library	9427 Raymond Ave., Oak Lawn

Aligned Elective Courses for the Information Technology Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Art				
Exploring Drawing and Multi Media	X	X	X	X
Photography 1		X	X	X
Photography 2: Digital or Studio		X	X	X
Business				
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development	X	X	X	X
Web Design	X	X	X	X
Mobile Apps II		X	X	X
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Electricity & Electronics I	X	X	X	X
Electricity & Electronics II	X	X	X	X
Graphic Design 1	X	X	X	X
Graphic Design 2	X	X	X	X
PLTW: Introduction to Engineering Design	X	X	X	X
Computer Servicing I		X	X	X
Computer Servicing II		X	X	X
Graphic Design Productions		X	X	X
PLTW: Principles of Engineering		X	X	X
Computers Independent Study			X	X
PLTW: Engineering Design & Development			X	X
Graphic Design Independent Study				X
Math				
AP Computer Science Principles*	X	X	X	X
AP Computer Science A*			X	X
AP Statistics*				X
Music				
Music Technology	X	X	X	X
Social Science				
Law in American Society			X	X
Psychology			X	X
AP Psychology*			X	X
Career Exploration				
Technology Support Internship		X	X	X
Independent Study: Technology Support Internship			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Law, Public Safety, Corrections & Security Career Cluster?
The Law, Public Safety, Corrections & Security Cluster helps prepare students for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Possible/Related Careers for the Law, Public Safety, Corrections & Security Career Cluster
There are over 50 careers related to the Law, Public Safety, Corrections & Security Career Cluster, including but not limited to the following examples:

- Bailiff
- Civil Litigator
- Correctional Officer
- Court Clerk
- Criminal Lawyer
- Dispatcher
- Firefighter
- Judge
- Lawyer
- Paralegal
- Police Officer
- Security Director

Possible/Related Majors for the Law, Public Safety, Corrections & Security Career Cluster
There are an increasing number of college majors related to the Law, Public Safety, Corrections & Security Career Cluster, and among the most common are:

- Criminal Justice
- Court Reporting
- Fire Science
- Forensic Science
- Homeland Security
- Law/Legal Studies

NOTE – Many colleges are eliminating the "Pre-Law" major. Students should select a major that meets the prerequisites for law school and that provides a solid foundation in writing and communication.

Related OLCHS Co-Curricular Activities for the Law, Public Safety, Corrections & Security Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Law, Public Safety, Corrections & Security Cluster are:

- Class Advisory Boards
- Forensics/Speech Team
- Social Action Club
- International Club
- National Honor Society
- Peer Mediation
- Students Against Destructive Decisions (SADD)
- Student Council
- Student Helpers

Related Service Learning Sites for the Law, Public Safety, Corrections & Security Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Law, Public Safety, Corrections & Security Career Cluster are:

Name	Location
Kid Safe City	Bridgeview, IL
Mrs. Jacky's Soldiers	Oak View Center, Oak Lawn
Muslim Civil Rights Center	7667 W. 95th St., Hickory Hills
Oak Lawn – Johnson Phelps VFW Post 5220 Stars Program	See Mrs. Kenny in Student Services Office 117
Oak Lawn Police Department CADETS and/or Peer Jury Program	9446 S. Raymond Ave., Oak Lawn
Worth Township Youth Service Bureau	11601 S. Pulaski Rd., Alsip

Aligned Elective Courses for the Law, Public Safety, Corrections & Security Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X	X	X
Accounting 1 or 1H		X	X	X
Accounting 2			X	X
English				
Speech			X	X
College Writing 1 and 2*				X
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Math				
AP Computer Science Principles*	X	X	X	X
AP Computer Science A*			X	X
AP Statistics*				X
Physical Education				
Junior Leadership Training & Lifeguarding			X	X
Sports Medicine 1 & 2			X	X
Senior Leaders			X	X
Science				
Advanced Biology – Gene Technology & Forensic Science			X	X
Anatomy & Physiology – Chemical			X	X
Anatomy & Physiology – Physical			X	X
Environmental Science			X	X
Introduction to Advanced Chemistry			X	X
Zoology				
AP Biology*			X	X
AP Chemistry*			X	X
Applied Physics				X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
AP Psychology*			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
Career Exploration				
Emergency Medical Technician Program*				X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Manufacturing Career Cluster?
This diverse Career Cluster prepares learners for careers in planning, managing, and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Possible/Related Careers for the Manufacturing Career Cluster
There are over 40 careers related to the Manufacturing Career Cluster, including but not limited to the following examples:

- Blacksmith
- Design Engineer
- Electrician
- Engineering Tech
- Industrial Designer
- Logistics Technician
- Manufacturing Manager
- Production Manager
- Quality Control Technician
- Safety Engineer
- Tool & Diemaker
- Welder

Possible/Related Majors for the Manufacturing Career Cluster
There are an increasing number of college majors related to the Manufacturing Career Cluster, and among the most common are:

- Apparel & Textiles, General
- Computer Engineering Technology
- Industrial Mechanics
- Machining
- Mechanical Engineering
- Occupational Safety
- Quality Control Technology
- Textile Science
- Welding Technology

Related OLCHS Co-Curricular Activities for the Manufacturing Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Manufacturing Career Cluster are:

- Drama Crew
- Mathletes
- STEM Club

Related Service Learning Sites for the Manufacturing Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Manufacturing Career Cluster are:

Name	Location
Feed My Starving Children	Aurora
Little Red Schoolhouse	9800 South 104th Ave., Willow Springs
Share Your Soles	900 E. 103rd St., Chicago
Village of Oak Lawn eWaste Program	5532 W. 98th St., Oak Lawn

Aligned Elective Courses for the Manufacturing Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Business				
Entrepreneurship	X	X	X	X
Web Design	X	X	X	X
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers	X	X	X	X
Industrial Technology				
Automotive Essentials	X	X	X	X
Electricity and Electronics I	X	X	X	X
PLTW: Introduction to Engineering Design*	X	X	X	X
Electricity and Electronics II		X	X	X
Auto Maintenance & Light Repairs		X	X	X
Computer Servicing I		X	X	X
Computer Servicing II		X	X	X
PLTW: Principles of Engineering*		X	X	X
Woods 1		X	X	X
Woods 2		X	X	X
Advanced Autos			X	X
Advanced Woodworking			X	X
Independent Study: Computers			X	X
PLTW: Civil Engineering & Architecture			X	X
PLTW: Engineering Design & Development*			X	X
Independent Study: Woods				X
Math				
AP Computer Science Principles*				
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
AP Statistics*				X
AP Calculus*				X
Transition to College Math				X
Science				
Environmental Science			X	X
Introduction to Advanced Chemistry			X	X
AP Chemistry*			X	X
Applied Physics				X
AP Physics*				X
Social Science				
AP Human Geography	X	X	X	X
Geography	X	X	X	X
Law in American Society			X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
Economics			X	X
International Relations			X	X
Career Exploration				
Technology Support Internship		X	X	X
Heating and Air Conditioning Program*			X	X
Independent Study: Technology Support Internship			X	X
Shielded Metal Welding Program*			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Marketing, Sales & Service Career Cluster?
This diverse Career Cluster prepares learners for careers in planning, managing and performing marketing activities to reach organizational objectives.

Possible/Related Careers for the Marketing, Sales & Service Career Cluster
There are over 40 careers related to the Marketing, Sales & Service Career Cluster, including but not limited to the following examples:

- Advertising Executive
- Agent
- Art Dealer
- Customer Service Representative
- Fundraiser
- Logistics Specialist
- Marketing Specialist
- Public Relations Specialist
- Sports Marketer
- Technical Sales Representative
- Trade Show Manager
- Visual Merchandiser

Possible/Related Majors for the Marketing, Sales & Service Career Cluster
There are an increasing number of college majors related to the Marketing, Sales & Service Cluster, and among the most common are:

- Advertising
- Fashion Merchandising
- General Merchandising and Sales
- Marketing Research
- Public Relations
- Real Estate
- Retail Management
- Sales and Distribution

Related OLCHS Co-Curricular Activities for the Marketing, Sales & Service Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Marketing, Sales & Service Career Cluster are:

- Class Advisory Boards
- Drama/Crew
- Forensics/Speech Team
- Pegasus
- Pep Club
- Photojournalism Club
- Students Against Destructive Decisions (SADD)
- Shield Yearbook
- Spartanite Newspaper

Related Service Learning Sites for the Marketing, Sales & Service Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Marketing, Sales & Service Career Cluster are:

Name	Location
Neat Repeats Resale	7026 W. 111th, Worth 9028 W. 159th, Orland Park
Pass it On Thrift Center	5435 W. 127th St., Crestwood
Local Chapters of National Organizations – a great way to learn about organizational leadership, fundraising/awareness campaigns and non-profit finance!	

Aligned Elective Courses for the Marketing, Sales & Service Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Art				
Extreme Art	X	X	X	X
Exploring Drawing and MultiMedia	X	X	X	X
Photography I		X	X	X
Photography II: Digital or Studio		X	X	X
Sketch & Draw		X	X	X
Comic Creation			X	X
Independent Study: Photography				X
Business				
Entrepreneurship	X	X	X	X
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development	X	X	X	X
Web Design	X	X	X	X
Accounting 1 or 1H		X	X	X
Mobile Apps II		X	X	X
Accounting 2			X	X
Entertainment & Sports Marketing			X	X
English				
Mass Media Writing			X	X
Speech			X	X
College Writing 1 & 2*				X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Graphic Design 1	X	X	X	X
Graphic Design 2		X	X	X
Graphic Design Productions			X	X
Independent Study: Graphic Design				X
Math				
AP Computer Science Principles	X	X	X	X
Pre-Calculus or Pre-Calculus Honors			X	X
Transition to College Math				X
AP Statistics*				X
Music				
Music Technology	X	X	X	X
Social Science				
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
AP Psychology*			X	X
Economics			X	X
International Relations			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
Career Exploration				
Technology Support Internship		X	X	X
Independent Study: Technology Support Internship			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*

What Is the Science, Technology, Engineering and Mathematics (STEM) Career Cluster?
A career in science, technology, engineering or mathematics is exciting, challenging, and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Possible/Related Careers for the STEM Career Cluster
There are over 80 careers related to the STEM Career Cluster, including but not limited to the following examples:

- Aerospace Engineer
- Analytical Chemist
- Biomedical Engineer
- CAD Technician
- Civil Engineer
- Computer Programmer
- Engineering Tech
- GIS Specialist
- Math Teacher
- Mechanical Engineer
- Statistician
- Technical Writer

Possible/Related Majors for the STEM Career Cluster
There are an increasing number of college majors related to the STEM Career Cluster, and among the most common are:

- Applied Mathematics
- Chemistry
- Computational Science
- Engineering (various)
- Genetics
- Materials Science
- Mathematics
- Physics
- Robotics

Related OLCHS Co-Curricular Activities for the STEM Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the STEM Career Cluster are:

- Drama Crew
- Mathletes
- STEM Club

Related Service Learning Sites for the STEM Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the STEM Career Cluster are:

Name	Location
Advocate Christ Medical Center	4440 W. 95th St., Oak Lawn
Dreams for Kids	Various sites available
Habitat for Humanity	Various sites available
Lake Katherine Nature Preserve	7402 Lake Katherine Drive, Palos Heights
Little Red Schoolhouse	9800 South 104th Ave., Willow Springs
The Village of Oak Lawn Forestry Department and Green Team	Village Hall, 9440 S. Raymond Ave., Oak Lawn
Various elementary and/or middle schools – contact staff about tutoring opportunities!	

Aligned Elective Courses for the STEM Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

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Department and Elective Courses	9	10	11	12
Art				
Sketching & Drawing		X	X	X
Clay Construction and Clay Construction II		X	X	X
AP Studio Art*				X
Business				
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development	X	X	X	X
Mobile Apps II		X	X	X
Web Design				
Foreign Language				
Arabic 1	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Automotive Essentials	X	X	X	X
Electricity & Electronics I	X	X	X	X
Electricity & Electronics II*	X	X	X	X
PLTW: Introduction to Engineering Design*	X	X	X	X
Automotive Maintenance & Light Repair		X	X	X
Computer Servicing I		X	X	X
Computer Servicing II*		X	X	X
PLTW: Principles of Engineering*		X	X	X
Advanced Auto Technology			X	X
Independent Study: Computers			X	X
PLTW: Civil Engineering & Architecture			X	X
PLTW: Engineering Design & Development			X	X
Music				
Music Technology	X	X	X	X
Math				
AP Computer Science Principles*	X	X	X	X
AP Computer Science A*			X	X
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
AP Calculus*				X
AP Statistics*				X
Transition to College Math				X
Science				
Advanced Biology – Gene Tech. & Forensic Science			X	X
Anatomy & Physiology – Chemical			X	X
Anatomy & Physiology – Physical			X	X
AP Biology*			X	X
AP Chemistry*				
Environmental Science			X	X
Introduction to Advanced Chemistry			X	X
Applied Physics				X
AP Physics C: Mechanics*				X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
History of Chicago			X	X
Law in American Society			X	X
Psychology			X	X
Sociology			X	X
AP Psychology*			X	X
Career Exploration				
Technology Support Internship		X	X	X
Independent Study: Technology Support Internship			X	X
Shielded Metal Welding Program*			X	X

What Is the Transportation, Distribution and Logistics Career Cluster?
This diverse Career Cluster exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

Possible/Related Careers for the Transportation, Distribution and Logistics Career Cluster
There are over 50 careers related to the Transportation, Distribution and Logistics Career Cluster, including but not limited to the following examples:

- Air Traffic Controller
- Automotive Technician
- Commercial Driver
- Diesel Technician
- GIS Specialist
- Heavy Equipment Operator
- Locomotive Engineer
- Machinist
- Pilot
- Transportation Manager
- Urban/Regional Planner
- Warehouse Manager

Possible/Related Majors for the Transportation, Distribution and Logistics Career Cluster
There are an increasing number of college majors related to the Transportation, Distribution and Logistics Career Cluster, and among the most common are:

- Air Transportation
- Automotive Engineering
- Aviation
- Engine Mechanics
- Ground Transportation
- Marine Transportation
- Railway Transportation
- Vehicle Maintenance Technology

Related OLCHS Co-Curricular Activities for the Transportation, Distribution and Logistics Career Cluster
OLCHS students are encouraged to participate in co-curricular activities. Some related to the Transportation, Distribution and Logistics Career Cluster are:

- Drama Crew
- Mathletes
- STEM Club

Related Service Learning Sites for the Transportation, Distribution and Logistics Career Cluster
OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the STEM Career Cluster are:

Name	Location
Dreams for Kids	Various sites available
Habitat for Humanity	Various sites available
Kid Safe City	Bridgeview, IL
Share Your Soles	900 E. 103rd St., Chicago
The Village of Oak Lawn Forestry Department and Green Team	Village Hall, 9440 S. Raymond Ave., Oak Lawn

Aligned Elective Courses for the Transportation, Distribution and Logistics Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Naviance.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Art				
Sketching & Drawing		X	X	X
Photography 1		X	X	X
Photography 2: Digital		X	X	X
Fall or Spring Studio Art			X	X
AP Studio Art*				X
Business				
Entrepreneurship	X	X		
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development	X	X	X	X
Web Design	X	X	X	X
Mobile Apps II		X	X	X
Foreign Language				
Arabic	X	X	X	X
Arabic for Heritage Speakers or Honors	X	X	X	X
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers or Honors	X	X	X	X
Industrial Technology				
Automotive Essentials	X	X	X	X
Electricity & Electronics I	X	X	X	X
PLTW: Introduction to Engineering Design	X	X	X	X
Woods I	X	X	X	X
Automotive Maintenance & Light Repair		X	X	X
Electricity & Electronics II*		X	X	X
PLTW: Principles of Engineering		X	X	X
Woods II		X	X	X
Advanced Auto Technology			X	X
PLTW: Engineering Design & Development			X	X
Math				
AP Computer Science Principles*	X	X	X	X
AP Computer Science A*			X	X
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
AP Calculus*				X
AP Statistics*				X
Transition to College Math				X
Science				
Environmental Science			X	X
Introduction to Advanced Chemistry			X	X
AP Chemistry*			X	X
Applied Physics				X
AP Physics C: Mechanics*				X
Social Science				
AP Human Geography*	X	X	X	X
Geography	X	X	X	X
Economics			X	X
History of Chicago			X	X
International Relations			X	X
Law in American Society			X	X
AP Macroeconomics*			X	X
AP Microeconomics*			X	X
Career Exploration				
Technology Support Internship		X	X	X
Heating and Air Conditioning Program			X	X
Shielded Metal Welding Program			X	X
Independent Study: Technology Support Internship			X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*