

PROGRAMS OF STUDY

The U.S. Department of Education defines a Program of Study as a comprehensive, structured approach for delivering academic and career and technical education to prepare students for postsecondary education and career success. Each Program of Study is linked to one of 16 career clusters (see below), the occupations and industries associated with each area, and the MHS courses needed to prepare students for those careers.

In order to achieve academic excellence, students must see the relevance of their studies through direct connections between school and career opportunities. Mundelein High School guides students by linking high school courses to viable careers through Programs of Study.

The following Programs of Study were created by Mundelein High School, in collaboration with Lake County High Schools Technology Campus and the College of Lake County (CLC), as a way of providing all students with a pathway of coursework for a chosen career. Each Program of Study consists of

- Possible careers
- Required MHS courses and related elective courses
- Lake County High School Technology Campus programs
- MHS extracurricular activities, clubs, and teams
- College and University majors
- College of Lake County programs

The graphic on the following page outlines the 5 Career and Technical Education (CTE) Areas for Secondary Students:

- Business, Marketing, and Computer Education
- Technology and Engineering Education
- Family and Consumer Sciences
- Health Sciences Technology
- Agricultural Education

The 16 Career Clusters branch off of the 5 CTE Areas. Within each of the 16 Career Clusters, there are several Career Pathways, with a total of 79 Career Pathways identified. All students have the opportunity to take an online career interest inventory. Our hope is that students and parents, in collaboration with guidance counselors, will use the results of the inventory to inform their course selection and post-secondary plans.

We offer many opportunities for students and parents to learn about colleges and universities through College Planning Nights, Financial Aid Information Nights, and a College and Career Resource Center.

Illinois Career Cluster Framework

Government & Public Administration

Governance
National Security
Foreign Service
Planning
Revenue & Taxation
Regulation
Public Management & Administration

Business Management & Administration

General Management
Business Information Management
Human Resources Management
Operations Management
Administrative Support

Marketing

Marketing Management
Professional Sales
Merchandising
Marketing Communications
Marketing Research

Finance

Securities & Investments
Banking Services
Business Finance
Accounting
Insurance

Information Technology

Network Systems
Information Support & Services
Web & Digital Communications
Programming & Software Development

Law, Public Safety, Corrections & Security

Correction Services
Emergency & Fire Management Services
Security & Protective Services
Law Enforcement Services
Legal Services

Architecture & Construction

Design/Pre-Construction
Construction
Maintenance/Operations

Transportation, Distribution & Logistics

Transportation Operations
Logistics Planning & Management Services
Warehousing & Distribution Center Operations
Facility & Mobile Equipment Maintenance
Transportation Systems/Infrastructure
Planning, Management & Regulation
Health, Safety & Environmental Management
Sales & Services

Manufacturing

Production
Manufacturing Production Process Development
Maintenance, Installation & Repair
Quality Assurance
Logistics & Inventory Control
Health, Safety & Environmental Assurance

Science, Technology, Engineering & Mathematics

Engineering & Technology
Science & Math

Arts, Audio/Video Technology & Communications

Audio and Video Technology & Film
Printing Technology
Journalism & Broadcasting
Telecommunications
Performing Arts
Visual Arts

Business, Marketing, and Computer Education

Technology and Engineering Education

Agricultural Education

Family and Consumer Sciences

16 Career Clusters

Health Sciences Technology

Health Science

Diagnostic Services
Support Services
Health Informatics
Therapeutic Services
Biotechnology Research & Development

Agriculture, Food & Natural Resources

Food Products & Processing Systems
Plant Systems
Animal Systems
Power, Structural & Technical Systems
Natural Resource Systems
Environmental Service Systems
Agribusiness Systems

Human Services

Early Childhood Development & Services
Counseling & Mental Health Services
Family & Community Services
Personal Care Services
Consumer Services

Hospitality & Tourism

Restaurants & Food/Beverage Services
Lodging
Travel & Tourism
Recreation, Amusements & Attractions

Education & Training

Administration & Administrative Support
Professional Support Services
Teaching/Training

Career Cluster: Agriculture, Food, and Natural Resources

Careers	Agricultural Educator	Botanist	Fish and Game Officer	Physiologist
	Animal Caretaker-Poultry Manager	Dairy Producer	Health and Safety Sanitarian	Produce Buyer
	Animal Nutritionist	Equine Manager	Livestock Buyer	Recycling Technician
	Aquaculturalist	Ecologist	Livestock Geneticist	Wildlife Manager
	Artificial Insemination Technician	Env. Compliance-Assurance	Livestock Inspector	Wildlife Biologist
	Agricultural Chemical Dealer	Environmental Engineer	Meat Cutter-Meat Grader	USDA Inspector
	Agricultural Educator	Equine Manager	Meat Science Researcher	Veterinarian
	Aquaculturalist	Farm Manager	Park Manager	Veterinary Assistant
	Bank/Loan Office	Feed Sales Representative	Plant Pathologist	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science US History PE	English 3 Geometry/Algebra 2 Chemistry/Physics/Physical Science Government PE Economics Intro to Business	English PE
	Recommended Pathway Courses			
	Zoology	Business Inubator Accounting 1 Digital Photo/Design 1 Food and Nutrition	AP Environmental Science Statistics/AP Statistics Honors Accounting 2 Business Management	Physics Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
		Composition Business Law	Economics AP Microeconomics AP Macroeconomics	
College & University Majors	Lake County High School Technology Campus			
	Available Certifications:	Serve Safe IL Dept. of Public Health Sanitation	Culinary Arts 1	Culinary Arts 2

School Activities	Career Enhancement			
	Recycling Club	Economics Team	National Technical Honors Society	SkillsUSA
	FBLA	Academic Team		

College & University Majors	College & University Majors			
	Agricultural and Domestic Animal Services	Animal Nutrition	Animal/Livestock Husbandry Science	
	Agricultural Animal Breeding	Animal Sciences	Agricultural Communication/Journalism	
	Animal Health	Animal Training	Dairy Husbandry Science	
	Agricultural Education Services	Agricultural Public Services	Equine Studies	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Biological Sciences			
		Pre-Veterinary Medicine AA (60 cr) Wildlife Management AS (60 cr) Zoology AS (60 cr)		
	Hospitality and Culinary			
	Baking and Pastry Assistant (17 cr) Hospitality Manager (35-37 cr) Pastry Chef Assistant (31 cr) Hospitality Supervisor (18 cr) Professional Chef (33 cr) Professional Cook (17 cr)	Hospitality and Culinary Management AAS (69 cr) Baking and Pastry Arts AAS (65 cr)	Introduction to the Hospitality IndustryDC AC (3 cr) Culinary Principles ^{DC AC} (5 cr) ServSafe: Food Service Menu Marketing and	Lexington College
	Horticulture			
	Arboriculture (18 cr) Floral Design (18 cr) Landscape Design (18 cr) Landscape Maintenance (18 cr) Natural Areas Management (18 cr) Sustainable Agriculture (25 cr)	Horticulture Production AAS (63 cr) Landscape Design AAS (63 cr) Landscape Construction and Maintenance AAS (63 cr) Natural Areas Management Sustainable Agriculture AAS (63 cr)		
	Accounting			
	Accounting Clerk (23 cr) Professional Accounting (39 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
	Business Administration			
	Entrepreneurship/Small Business Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (64 cr) Entrepreneurship/Small Business Management AAS (64 cr) Marketing AAS (64 cr) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University

Career Cluster: Architecture and Construction

Careers	Architect	Drafter	HVAC Mechanic	Project Inspector
	Carpenter	Drywall Installer	Interior Designer	Roofer
	Civil Engineer	Electrician	Painter	Safety Director
	Construction Foreman/Manager	Electronic Systems Technician	Paperhanger	Sheet Metal Worker
	Contractor	Equipment Material Manager	Plumber	Tile and Marble Setter
	Demolition Engineer	General Contractor/Builder	Project Estimator	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English Science PE
	Recommended Pathway Courses			
	Industrial Tech	Digital Photo/Design 1, Drawing/Painting 1, Ceramics/Sculpture 1	Engineering Graphics	Building Trades
	Computer Applications 1 Introduction to Art		Digital Photo/Design Studio, Drawing/Painting Studio, Ceramics/Sculpture Studio	AP Physics Internship
	Related Courses			
	Introduction to Art PLTW-IED	Engineering Graphics PE Strength Training STEM Inquiry and Research	Drawing/Painting 1	Pre-Calculus
	Lake County High School Technology Campus			
	Available Certifications:	Not Applicable	Building Trades 1 Welding 1	Building Trades 2 Welding 2

School Activities	Career Enhancement			
	Art Club	Robotics	SkillsUSA	National Technical Honors Society
	Math Team	Academic Team		

College & University Majors	College & University Majors			
	Architectural and Building Sciences	Architectural Technology	Civil Engineering	Energy Management
	Architectural Drafting	Architecture	Construction Engineering	Interior Architecture
	Architectural Engineering	Building Construction	Construction Management	Landscape Architecture
	Architectural History and Criticism	Building Management	Drafting/Design Technology	Mechanical Drafting

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Architectural Technology			
	Architectural Technology (34 cr)	Architectural Technology AAS (63 cr)		
	CAD Drafting Technology			
	3D Parametric (21 cr)	Architectural/Civil AAS (63-64 cr)		
	Architectural (24 cr)	Graphics, Animation and Presentation AAS (61 cr)		
	AutoCAD (13 cr)	Mechanical AAS (61 cr)		
	Autodesk Inventor (9 cr)			
	CAD Drafting Technology (31 cr)			
	Civil (21-22 cr)			
	Graphics, Animation and Presentation (24-25 cr)			
	Creo (9 cr)			
	SolidWorks (9 cr)			
	Civil and Environmental Technology			
	Pre-Civil Engineering Technician (16 cr)	Civil and Environmental Technology AAS (65-68 cr) Surveying/Geomatics AA (60 cr)		
	Construction Management Technology			
	Construction Management Technology (24-26 cr)	Construction Management Technology AAS (64-68 cr)	Carpentry I ^{AC} (3 cr) Carpentry II ^{AC} (3 cr)	Illinois State University Purdue University Calumet

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr) Electrical/Electronics Maintenance (31 cr) Electronics Technology (35 cr) Fiber Optics Technician (7 cr)	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering® Northern Illinois University Southern Illinois University
	Electronic Systems Technology			
		Electronic Systems Technology (60 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	Southern Illinois University
	Heating and Air Conditioning Engineering Technology			
	Commercial Refrigeration Technician (14 cr) Electrical Troubleshooting Technician (14 cr) Energy Audit (33 cr) HET Core (21 cr) HET Supervisor (33 cr) HVAC Office Certificate (19 cr) Industrial Refrigeration (33 cr) Light Commercial HVAC (33 cr) Plumbing and Pipefitting (14 cr) Residential Air Conditioning Technician (14 cr) Residential Energy Auditing (16 cr) Residential Heating Technician (14 cr) Residential HVAC (33 cr) Residential Weatherizing (15 cr) Stationary Engineer (33 cr)	Energy Audit AAS (66 cr) HET Supervisor AAS (66 cr) Industrial Refrigeration AAS (66 cr) Light Commercial HVAC AAS (66 cr) Residential HVAC AAS (66 cr) Stationary Engineer AAS (66 cr)		Ferris State University
	Machine Tool Trades			
	Basic Machining - Phase I (15 cr) Machine Tool Trades - Phase II (35 cr) Tool and Mold Maker - Phase III (50 cr)	Machine Tool Trades AAS (65 cr)		
	Mechanical Engineering Technology			
	Mechanical Engineering Technology Design - MET I Toolbox (9 cr) Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr) Mechanical Engineering Technology Design - MET III Mechatronics (9 cr) Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr) Mechanical Service Technician I (17 cr) Mechanical Service Technician II (18 cr)	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
	Welding			
	Gas Metal Arc Welding (18 cr) Gas Tungsten Arc Welding (24 cr) Shielded Metal Arc Welding (21 cr) Welding (41-42 cr)		General Welding ^{DC AC} (2 cr) Gas, Welding, Cutting and Brazing ^{DC AC} (3 cr) Shielded Metal Arc Welding ^{DC AC} (3 cr)	

Career Cluster: Arts, Audio/Video, Technology, and Communications
Pathway: Audio and Video Tech and Film

Careers	Audio Systems Technician Technical Computer Support Tech: Film, Video and DVD	Audio-Video System Service Tech Videographer: Special Effects and Animation	Video Systems Technician Audio-Visual Designer and Engineer
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High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Physics/Physical Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Introduction to Art Beginning TV Tech Theatre Computer Applications 1	TV Apprenticeship Digital Photo/Design 1 Media Integrated Communication Technology Support Internship	TV Apprenticeship Digital Photo/Design Studio	Films as Literature Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
			TV Apprenticeship	TV Apprenticeship
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop CompTIA A+ Essentials CompTIA A+ Practical Application	Graphic/Web Design 1 Computer Support Services 1 Photographic Design 1 Game/C++ Programming 1	Graphic/Web Design 2 Computer Support Services 2 Photographic Design 2 Game/C++ Programming 2

School Activities	Career Enhancement			
	Broadcasting Team	National Technical Honors Society	SkillsUSA	Robotics
	Academic Team			

College & University Majors	College & University Majors			
	Art History	Computer Graphics	Film/Video and Photographic Arts	Museology/Museum Studies
	Art Studies	Design and Visual Communications	Fine and Studio Arts Management	Painting
	Arts Management	Documentary Production	Fine Arts and Art Studies	Photography
	Audio Engineering	Drawing	Multimedia	Printmaking
	Audiovisual Communications	Fiber, Textile and Weaving Arts	Metal and Jewelry Arts	Sculpture

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Digital Media and Design			
	Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media ^{AC} (3 cr) Web Design and Development ^{AC} (3 cr) Introduction to Photography I ^{AC} (3 cr) Digital Photography I ^{AC} (3 cr)	
	Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)		
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr)	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University
	Electrical/Electronics Maintenance (30-32 cr) Electronics Technology (35 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Electronic Information Technology</i>			
	Fiber Optics Technician (7 cr) Linux System Administration (15-16 cr) Wireless Networking Security (14 cr)	Electronic Information Technology AAS (65 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	
	<i>Electronic Systems Technology</i>			
		Electronic Systems Technology (60 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	Southern Illinois University
	<i>Computer Information Technology</i>			
	C++ Programming (16 cr) Computer Forensics Analyst (32-34 cr) Computer Forensics Technician (18 cr) Desktop Support Technician (9 cr) Game Development (28 cr) Java Programming (15 cr) .NET Programming (20 cr) Network Administration and Security (36 cr) Office Application Specialist (21 cr) Oracle Administrator Certified Associate (9 cr) Oracle Administrator Certified Professional (12 cr) Security Administration (25 cr) Web Programming (18 cr)	C+ Programmer AAS (61-65 cr) Computer Forensics AAS (62-66 cr) Game Development AAS (61-63 cr) Java Programmer AAS (60-64 cr) .NET Programmer AAS (60-67 cr) Network Administration and Security AAS (63-65 cr) Office Application Specialist AAS (60-64 cr) Web Programmer AAS (60-64 cr) Computer Information Technology AA (60 cr)	Introduction to Computers ^{DC} (3 cr) Operating Systems for A+ Certification ^{DC} (3 cr) 2D Game Development ^{DC} (3 cr) 3D Game Development ^{DC} (3 cr)	Franklin University Roosevelt University Southern Illinois University

Career Cluster: Business, Management and Administration

Careers	Administrative Assistant	E-Commerce Analyst	Marketing Analyst	Sales Representative
	Advertising Sales Person	Entrepreneur	Medical Transcriptionist	Wholesale and Retail Buyer
	Auditor	Facilities Manager	Office Manager	
	Business Consultant	Finance Director	OSHA/ADA Compliance Officer	
	Certified Public Accountant	Human Resources Manager	Personnel Recruiter	
	Corporate Trainer	Investment Executive	Public Relations Manager	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Earth Science/ Physics/Physical Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Introduction to Art	Accounting 1 Sports & Entertainment Marketing Business Management Digital Photo/Design 1	Business Law Civil Law Honors Accounting 2 AP Microeconomics AP Macroeconomics Digital Photo/Design Studio Business Incubator	Honors or AP Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Psychology 1 & 2/AP Psychology Internship
	Related Courses			
	World Languages	World Languages	World Languages	Criminal Law World Languages AP 2-D Design
	Lake County High Schools Technology Campus			
	Available Certifications:		Criminal Justice	Criminal Justice

School Activities	Career Enhancement			
	FBLA	National Honor Society	SkillsUSA	After School Coalition
	Economics Team	Student Leadership	Model UN	National Technical Honors Society

College & University Majors	College & University Majors			
	Accounting Accounting and Business/Management Accounting and Computer Science Accounting and Finance Accounting Technology Arts, Entertainment, and Media Management Auditing Business Administration and Management Business Statistics Business/Commerce Business/Corporate Communications Business/Managerial Economics	Customer Service Management Entrepreneurial and Small Business Operations Entrepreneurship/Entrepreneurial Studies Franchising and Franchise Operations Human Resources Development Information Resources Management/CIO Training International Business/Trade/Commerce Labor and Industrial Relations Public Relations, Advertising, and Applied Communication Purchasing, Procurement/Acquisitions and Contracts Management Logistics, Materials, and Supply Chain Management Management Information Systems and Services	Management Science Office Management and Supervision Operations Management and Supervision Operations Research Organizational Behavior Studies Organizational Communication Organizational Leadership Knowledge Management Public Relations/Image Management Labor Studies Research and Development Management Small Business Administration	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Accounting			
	Accounting Clerk (23 cr)	Accounting AAS (60-66 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University
	Professional Accounting (30 cr)	Accounting AA (60 cr)		Northeastern Illinois University Southern Illinois University
	Administrative Office Systems			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University
	Administrative Leadership (12 cr)			Southern Illinois University
	General Office (16 cr)			
	Office Professional (12 cr)			
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
	Marketing (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr)		DeVry University
	Supervision (27 cr)	Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		National Louis University Southern Illinois University
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr) Introduction to Policing ^{DC AC} (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Finance

Careers	Abstractor	Accredit Analyst	Insurance Broker	Treasurer
	Accountant	Debt Counselor	Internal Auditor	Trust Officer
	Actuary	Economist	Loan Officer	Underwriter
	Bill and Account Collector	Financial Planner	Non-Profit Manager	
	Commodities Representative	Foreign Exchange Manager	Tax Examiner	
	Controller	Fund Raiser	Title Researcher/Examiner	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Chemistry US History PE	English 3 Geometry/Algebra 2 Physics Government PE Introduction to Business	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Accounting 1 Sports & Entertainment Marketing Business Incubator Business Management	Business Law Civil Law Honors Accounting 2 Probability & Statistics/AP Statistics	Honors or AP Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Psychology 1 & 2/AP Psychology Internship
	Related Courses			
	World Languages	World Languages Computer Science Principles	AP Microeconomics World Languages	Criminal Law World Languages
	Lake County High Schools Technology Campus			
Available Certifications:		Not Applicable		

School Activities	Career Enhancement			
	FBLA	National Honor Society	Model UN	After School Coalition
	Economics Team	Student Leadership		

College & University Majors	College & University Majors			
	Finance	Credit Management	Banking and Financial Support Services	
	Insurance	Financial Mathematics	Financial Services Marketing Operations	
	Public Finance	International Finance	Financial Planning and Services	
	Taxation	Investments and Securities	Finance and Financial Management Services	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Accounting			
	Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DCAC} (3 cr) Introduction to Policing ^{DCAC} (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Education and Training

Pathway: Administration and Administrative Support, Professional Support Services, Teaching/Training

Careers	Administrator	Clinical Psychologist	Curriculum Developer	Middle School Teacher
	Assessment Specialist	Coach	Elementary Teacher	Principal
	CareerTech Administrator	College/University Faculty	High School Teacher	Speech-Language Pathologist
	Child Care Worker	Counselor		

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE AP Microeconomics	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Introduction to Art	Child Development	Probability & Statistics Psychology 1 & 2/AP Psychology Sociology	Honors or AP Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
	World Languages Business Law Civil Law	World Languages Criminal Law	World Languages	World Languages
	Lake County High Schools Technology Campus			
	Applicable Certifications:	Not Applicable	Early Childhood Education 1 Criminal Justice 1	Early Childhood Education 2 Criminal Justice 2

School Activities	Career Enhancement			
	FBLA	Art Club	SkillsUSA	National Honor Society
	Book Club	Broadcasting Team	National Technical Honors Society	

College & University Majors	College & University Majors		
	Administration of Special Education	School Counseling and Guidance Services	Housing and Human Environments
	Adult and Continuing Education	Early Childhood Education and Teaching	Humanities/Humanistic Studies
	American Literature	Educational Administration and Supervision	Indian/Native American Education
	Bilingual and Multilingual Education	Educational Assessment, Testing, and Measurement	Kinesiology and Exercise Science
	Curriculum and Instruction	Educational Evaluation and Research	Multicultural Education
	Education	Educational Statistics and Research Methods	Nursing Education
	English Language and Literature	Educational/Instructional Technology	School Library Media Specialist
	Environmental Education	Elementary Education and Teaching	Special Education and Teaching
	Family and Consumer Sciences	Physical Education Teaching and Coaching	Speech and Rhetorical Studies
	General Literature	Social and Philosophical Foundations of Education	Teacher Assistant/Aide
	General Studies	Intercultural/Multicultural and Diversity Studies	Teacher Education
	Health and Physical Education	International and Comparative Education	ESL Language Instructor
	Liberal Arts and Sciences	Kindergarten/Preschool Education and Teaching	Urban Education and Leadership
	Library Science		

College of Lake County Programs	Certificates	Degrees	Dual Credit^{DC} and Articulated Credit^{AC} Courses	Four-Year Universities Transfer Programs
	Early Childhood Education			
	Administration and Leadership in ECE (30 cr)	Early Childhood Education AAS (61-64 cr)	Creative Activities ^{AC} (3 cr)	Kendall College
	Early Childhood Education (33 cr)	Early Childhood Education AA (60 cr)	Health, Safety and Nutrition ^{DC} (3 cr)	
	Home Based Childcare (24 cr)	Teaching Early Childhood Education AAT (63 cr)		
	Infant-Toddler Specialist (18 cr)			
	School-Aged Child Care (18 cr)			
	Education Paraprofessional			
	Paraprofessional Educator (36-38 cr)	Paraprofessional Educator AAS (64 cr)		
	Educational Affairs			
		International Studies AA (60 cr)		Benedictine University
	Elementary Education			
		Elementary Education AA (60 cr)		
	Special Education			
		Special Education AA (60 cr)		
	Teaching in Secondary Math			
		Teaching in Secondary Mathematics AAT (62 cr)		

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Teaching in Special Education			
		Teaching Special Education AAT (64 cr)		
	Human Services Program			
	Alcohol, Substance Abuse and Addictive Disorders (31 cr)	Adult Services AAS (64 cr)		
	Correctional Counseling (33-35 cr)	Alcohol, Substance Abuse and Addictive Disorders AAS (68 cr)		
	General Human Services (31 cr)	Children and Adolescents AAS (60 cr)		
	Trauma, Violence Prevention and Victim Services (30 cr)	Correctional Counseling AAS (60 cr)		
		Trauma, Violence Prevention and Victim Services AAS (63 cr)		
	Administrative Office Systems			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University
	Administrative Leadership (12 cr)			Southern Illinois University
	General Office (16 cr)			
	Office Professional (12 cr)			
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr)	North Park University
		Criminal Justice AA (60 cr)	Introduction to Policing ^{DC AC} (3 cr)	
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Government & Public Administration

Pathway: Governance, Revenue and Taxation, Planning, Public Management and Administration, Regulation

Careers	Ambassador	Cryptographer	Immigration Officer	National Security Advisor
	Bank Examiner	Election Supervisor	Intelligence Analyst	Planner
	City Manager	Elected Official	Internal Revenue Investigator	Policy Advisor
	Combat Control Officer	Foreign Service Officer	Lobbyist	Tax Policy Analyst
	Commissioner			

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics/AP Economics	English PE
	Recommended Pathway Courses			
	Current World Issues Civil Law Computer Applications 1 & 2 Business Law Intro to Business	Criminal Law America At War Business Management Accounting 1 AP Environmental Science	Sociology Psychology 1 & 2/AP Psychology Honors Accounting 2	Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
	World Languages	World Languages Composition	World Languages Speech	World Languages
	Lake County High Schools Technology Campus			
	Available Certifications:	Not Applicable	Criminal Justice 1	Criminal Justice 2

School Activities	Career Enhancement			
	Economics Team	National Honor Society	SkillsUSA	
	Mock Trial	FBIA	National Technical Honors Society	
	Student Leadership	After School Coalition		

College & University Majors	College & University Majors			
	American Government and Politics	Political Science and Government	City/Urban, Community and Regional Planning	
	Education Policy Analysis	Public Administration	Non-Profit/Public/Organizational Management	
	Political Communication	Public Policy Analysis	Peace Studies and Conflict Resolution	
	Political Economy	Urban Studies/Affairs		

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Accounting			
	Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
	Marketing (27 cr) Supervision (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		DeVry University National Louis University Southern Illinois University
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr) Introduction to Policing ^{DC AC} (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University
	Political Science			
		Political Science AA (60 cr)		

Career Cluster: Health Services

Careers	Athletic Trainer Biochemist Biostatistician Dental Assistant/Hygienist EMT/Paramedic Geneticist	Health Information Coder Industrial Hygienist Lab Technician Nutritionist Occupational Therapist Phlebotomist	Physician (MD/DO) Physician's Assistant Psychologist Radiographer Radiologist Research Scientist	Speech/Language Pathologist Toxicologist Veterinarian Registered Nurse
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High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Chemistry or Physics US History PE	English 3 Geometry/Algebra 2 Chemistry or Physics Government PE Economics/AP Economics	English PE
	Recommended Pathway Courses			
	Computer Applications 1 PLTW-IED	Child Development Speech Computer Applications 2 STEM Inquiry and Research	Composition Analytical Chemistry Psychology 1 & 2 Sociology Honors Anatomy & Physiology AP Biology AP Chemistry AP Psychology	Honors Pre-Calculus, AP Calculus Probability and Statistics AP Statistics Food & Nutrition Internship
	Related Courses			
	Lake County High Schools Technology Campus			
Available Certifications:	Incident Command System 100 700 Incident Management System 700 Emergency Medical Technician - B Certified Nursing Assistant First Aid/CPR	Medical Assisting 1 Emergency Medical Services 1 Firefighting 1	Certified Nurse Assisting 1 Emergency Medical Services 2 Firefighting 2	

School Activities	Career Enhancement			
	Best Buddies	SkillsUSA	National Technical Honors Society	Robotics

College & University Majors	College & University Majors			
	Applied Psychology Athletic Training Audiology and Speech-Language Pathology Behavioral Aspects of Health Bioethics/Medical Ethics Biotechnology Clinical Child Psychology Clinical Nutrition Clinical Psychology Clinical Research Clinical/Medical Social Work Psychology Medicine	Cognitive Psychology and Psycholinguistics Community Health and Preventive Medicine Oral Biology and Oral and Maxillofacial Pathology Oral/Maxillofacial Surgery Foods, Nutrition, and Wellness Studies Forensic Psychology Genetic Counseling Health and Medical Administrative Services Health and Wellness Hospital and Health Care Facilities Administration Human Nutrition Molecular Medicine	Nursing Administration Nursing Occupational Therapy Optometry Dentistry Dietetics Orthodontics Pharmaceutical Sciences Pharmacy Public Health Speech-Language Pathology Veterinary Medicine	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Dental Hygiene			
		Dental Hygiene AAS (79 cr)		Southern Illinois University
	Emergency Medical Technology			
	Emergency Medical Technician - Basic (7 cr)	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic ^{DC AC} (7 cr)	
	Emergency Medical Technician Paramedic (30-34 cr)			
	Fire Science Technology			
		Fire Science Technology AAS (60 cr)	Introduction to Fire Science ^{DC AC} (3 cr) Fire Apparatus Engineer ^{AC} (3 cr)	Southern Illinois University
	Health and Wellness Promotion			
	Personal Training (25-29 cr)	Health and Wellness Promotion AAS (60-64 cr)		
	Wellness Coaching (17 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Health Information Technology</i>			
	Medical Transcription (25-30 cr)	Health Information Technology AAS (66-70 cr)		
	Medical Billing Specialist (19-23 cr)			
	<i>Massage Therapy</i>			
	Massage Therapy (33 cr)			
	<i>Medical Assisting</i>			
	Medical Assisting (36-40 cr)	Medical Assisting AAS (60-64 cr)	Introduction to Medical Assisting ^{AC} (4 cr)	
	Healthcare Office Assistant (7 cr)			
	<i>Medical Imaging</i>			
	Magnetic Resonance Imaging (15 cr)	Medical Imaging AAS (72 cr)		
	Computed Tomography (16 cr)			
	<i>Nanoscience Technology</i>			
		Nanoscience Technology AAS (64-66 cr)		
	<i>Nursing</i>			
	Certified Nursing Assisting (7 cr)	Nursing AAS (64 cr)	Nurse Assisting ^{DC AC} (3 cr)	Alverno College DePaul University Elmhurst College Northern Illinois University Olivet Nazarene University Rockford College St. Xavier University University of St. Francis
	<i>Phlebotomy Technician</i>			
	Phlebotomy Technician (6 cr)			
	<i>Surgical Technology</i>			
	Surgical Technology (43-49 cr)	Surgical Technology AAS (64-68 cr)		
	<i>Biological Sciences</i>			
		Pre-Veterinary Medicine AA (60 cr)		
	<i>Social Sciences</i>			
		Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Hospitality and Tourism

Careers	Baker Bartender Casino Manager Caterer Concierge	Convention Services Manager Director of Operations - Lodging Director of Tourism Development Event Planner Executive Chef	Facilities Manager Maitre d' Museum Director Reservations Manager Restaurant Owner/Manager	Sports Promoter Theme Park Manager Tour and Travel Guide Travel Agent Wine Steward
High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
	Recommended Pathway Courses			
		Accounting 1	Honors Accounting 2 Psychology 1 & 2/AP Psychology Sociology Food & Nutrition	Advanced Algebra, Honors Pre-Calculus, AP Calculus Probability and Statistics/AP Statistics Internship
	Related Courses			
School Activities	Beginning TV TV Apprenticeship World Languages Computer Applications 1 & 2	Web Design Business Management Business Incubator Creative Writing	Business Law Journalism: Yearbook & Photojournalism	
	Lake County High Schools Technology Campus			
	Available Certifications:	Serve Safe IL Dept. of Public Health Sanitation Adobe Dreamweaver, Flash, Illustrator and Photoshop	Culinary Arts 1 Graphic/Web Design 1 Photographic Design 1	Culinary Arts 2 Graphic/Web Design 2 Photographic Design 2
College & University Majors	Career Enhancement			
	FBLA Tamas Latinos	Interact Club Student Leadership	National Technical Honors Society SkillsUSA	
College & University Majors	College & University Majors			
	Facilities Planning and Management Natural Resource Recreation and Tourism	Hospitality Administration/Management Hospitality and Recreation Marketing Operations	Culinary Arts Outdoor Education Sports Studies	
College of Lake County Programs	Certificates	Degrees	Dual Credit^{DC} and Articulated Credit^{AC} Courses	Four-Year Universities Transfer Programs
	Hospitality and Culinary Management			
	Baking and Pastry Assistant (17 cr)	Hospitality and Culinary Management AAS (64-66 cr)	Introduction to the Hospitality Industry ^{DC AC} (3 cr)	Lexington College
	Hospitality Manager (35-37 cr)		Culinary Principles ^{DC AC} (5 cr)	
	Hospitality Supervisor (18 cr)		ServSafe: Food Service Sanitation ^{DC AC} (1 cr)	
	Professional Chef (33 cr)		Menu Marketing and Management ^{DC} (3 cr)	
	Professional Cook (17 cr)			
	Accounting			
	Accounting Clerk (23 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
	Professional Accounting (30 cr)			
	Administrative Office Systems			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	Administrative Leadership (12 cr)			
	General Office (16 cr)			
	Office Professional (12 cr)			
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
	Marketing (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr)		DeVry University
	Supervision (27 cr)	Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		National Louis University Southern Illinois University
	Digital Media and Design			
	Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media ^{AC} (3 cr) Web Design and Development ^{AC} (3 cr)	
	Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)	Introduction to Photography I ^{AC} (3 cr) Digital Photography I ^{AC} (3 cr)	

Career Cluster: Human Services

Careers	Buyer	Director of Childcare Facility	Market Researcher	Small Business Owner
	Certified Financial Planner	Emergency and Relief Worker	Massage Therapist	Social Worker
	Community Service Director	Esthetician	Personal Fitness Trainer	
	Consumer Advocate	Funeral Director	School Counselor/Psychologist	
	Cosmetologist	Licensed Professional Counselor		

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE Science
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Child Development Business Management	Anatomy and Physiology Sociology Psychology 1 & 2/AP Psychology Food & Nutrition Business Incubator	Advanced Algebra, Honors Pre-Calculus, AP Calculus Probability and Statistics/AP Statistics Internship
	Related Courses			
	Not Applicable			
Lake County High Schools Technology Campus				
	Available Certifications:	IL Licensed Cosmetologist Serve Safe IL Dept. of Public Health Sanitation Certified Nursing Assistant Emergency Medical Technician - B Incident Command System 100 700 Incident Management System 700 First Aid/CPR	Medical Assisting 1 Criminal Justice 1 Emergency Medical Services 1 Early Childhood Education 1 Fire Fighting 1 Cosmetology 1 Culinary Arts 1	Certified Nurse Assisting 1 Criminal Justice 2 Emergency Medical Services 2 Early Childhood Education 2 Fire Fighting 2 Cosmetology 2 Culinary Arts 2

School Activities	Career Enhancements			
	Robotics Team Math Team	FBLA Broadcasting Team	National Technical Honors Society SkillsUSA	Temas Latinos GSA

College & University Majors	College & University Majors			
	Applied and Professional Ethics Business Family and Consumer Sciences	Consumer Economics Family and Community Services	Divinity/Ministry Ethics	Religious Education
	Child Development Community Psychology	Mental Health Counseling Philosophy	Anthropology Social Sciences	Social Work Sociology

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Human Services Program			
	Alcohol, Substance Abuse and Addictive Disorders (31 cr)	Adult Services AAS (64 cr)		
	Correctional Counseling (33-35 cr)	Alcohol, Substance Abuse and Addictive Disorders AAS (68 cr)		
	General Human Services (31 cr)	Children and Adolescents AAS (60 cr)		
	Trauma, Violence Prevention and Victim Services (30 cr)	Correctional Counseling AAS (60 cr)		
	Trauma, Violence Prevention and Victim Services AAS (63 cr)			
Administrative Office Systems	Administrative Office Systems			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	Administrative Leadership (12 cr)			
	General Office (16 cr)			
	Office Professional (12 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Business Administration</i>	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
	Entrepreneurship/Small Business Management (27-29 cr)			
	Marketing (27 cr)			
	Supervision (27 cr)			
	<i>Criminal Justice</i>	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr) Introduction to Policing ^{DC AC} (3 cr)	North Park University
	Criminal Justice (30 cr)			
	<i>Paralegal Studies</i>	Paralegal Studies AAS (63 cr)		Roosevelt University Southern Illinois University
	Paralegal Studies (21 cr)			
	<i>Early Childhood Education</i>	Early Childhood Education AAS (61-64 cr) Early Childhood Education AA (60 cr) Teaching Early Childhood Education AAT (63 cr)	Creative Activities ^{AC} (3 cr) Health, Safety and Nutrition ^{DC} (3 cr)	Kendall College
	Administration and Leadership in ECE (30 cr)			
	Early Childhood Education (33 cr)			
	Home Based Childcare (24 cr)			
	Infant-Toddler Specialist (18 cr)			
	School-Aged Child Care (18 cr)			
	<i>Education Paraprofessional</i>	Paraprofessional Educator AAS (64 cr)		
	Paraprofessional Educator (36-38 cr)			
	<i>Elementary Education</i>	Elementary Education AA (60 cr)		
	<i>Special Education</i>	Special Education AA (60 cr)		
	<i>Teaching in Secondary Math</i>	Teaching in Secondary Mathematics AAT (62 cr)		
	<i>Teaching in Special Education</i>	Teaching Special Education AAT (64 cr)		
	<i>Emergency Medical Technology</i>	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic ^{DC AC} (7 cr)	
	Emergency Medical Technician - Basic (7 cr)			
	Emergency Medical Technician Paramedic (30-34 cr)			
	<i>Fire Science Technology</i>	Fire Science Technology AAS (60 cr)	Introduction to Fire Science ^{DC AC} (3 cr) Fire Apparatus Engineer ^{AC} (3 cr)	Southern Illinois University
	<i>Health and Wellness Promotion</i>	Health and Wellness Promotion AAS (60-64 cr)		
	Personal Training (25-29 cr)			
	Wellness Coaching (17 cr)			
	<i>Health Information Technology</i>	Health Information Technology AAS (66-70 cr)		
	Medical Transcription (25-30 cr)			
	Medical Billing Specialist (19-23 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Hospitality and Culinary Management</i>	Hospitality and Culinary Management AAS (64-66 cr)	Introduction to the Hospitality Industry ^{AC} (3 cr) Culinary Principles ^{DC AC} (5 cr) ServSafe: Food Service Sanitation ^{DC AC} (1 cr) Menu Marketing and Management ^{DC} (3 cr)	Lexington College
	Baking and Pastry Assistant (17 cr)			
	Hospitality Manager (35-37 cr)			
	Hospitality Supervisor (18 cr)			
	Professional Chef (33 cr)			
	Professional Cook (17 cr)			
	<i>Massage Therapy</i>			
	Massage Therapy (33 cr)			
	<i>Medical Assisting</i>	Medical Assisting AAS (60-64 cr)	Introduction to Medical Assisting ^{AC} (4 cr)	
	Medical Assisting (36-40 cr)			
	Healthcare Office Assistant (7 cr)			
	<i>Medical Imaging</i>	Medical Imaging AAS (72 cr)		
	Magnetic Resonance Imaging (15 cr)			
	Computed Tomography (16 cr)			
	<i>Nanoscience Technology</i>	Nanoscience Technology AAS (64-66 cr)		
	<i>Nursing</i>	Nursing AAS (64 cr)	Nurse Assisting ^{DC AC} (3 cr)	Alverno College DePaul University Elmhurst College Northern Illinois University Olivet Nazarene University Rockford College St. Xavier University University of St. Francis
	Certified Nursing Assisting (7 cr)			
	<i>Phlebotomy Technician</i>			
	Phlebotomy Technician (6 cr)			
	<i>Surgical Technology</i>	Surgical Technology AAS (64-68 cr)		
	Surgical Technology (43-49 cr)			
	<i>Social Sciences</i>	Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Information and Technology

Careers	Animator Database Administrator Data Systems Designer Game Developer	Information Technology Engineer Media Specialist Network Administrator Network Security Analyst	PC Support Specialist Programmer Software Applications Specialist Systems Administrator	User Support Specialist Virtual Reality Specialist Web Architect/Designer Telecommunications Network Technician
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High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Introduction to Art	Accounting 1 Technology Support Internship Journalism: News in the 21st Century STEM Inquiry and Research Digital Photo/Design 1	Technology Support Internship Digital Photo/Design Studio	Advanced Algebra, Honors Pre-Calculus, AP Calculus Technology Support Internship AP 2-D Design
	Related Courses			
		Business Incubator	Web Design	Business Management
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop CompTIA A+ Essentials CompTIA A+ Practical Application	Game/C++ Programming 1 Computer Support Services 1 Graphic/Web Design 1	Game/C++ Programming 2 Computer Support Services 2 Graphic/Web Design 2

School Activities	Career Enhancement			
	Robotics Team	Temas Latinos	Broadcasting Team	SkillsUSA

College & University Majors	College & University Majors		
	Artificial Intelligence Computer and Information Sciences Computer Engineering Computer Programming	Computer Science Computer Software and Media Applications Computer Software Engineering Computer Systems Analysis Computer Systems Networking and Telecommunications	Digital Arts Game and Interactive Media Design Human Computer Interaction Information Science Information Technology

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Digital Media and Design			
	Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media ^{AC} (3 cr) Web Design and Development ^{AC} (3 cr) Introduction to Photography I ^{AC} (3 cr) Digital Photography I ^{AC} (3 cr)	
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr) Electrical/Electronics Maintenance (30-32 cr) Electronics Technology (35 cr)	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Electronic Information Technology</i>			
	Fiber Optics Technician (7 cr)	Electronic Information Technology AAS (65 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	
	Linux System Administration (15-16 cr) Wireless Networking Security (14 cr)			
	<i>Electronic Systems Technology</i>			
		Electronic Systems Technology (60 cr)	PC Hardware Fundamentals ^{AC} (3 cr) PC Peripherals and Troubleshooting ^{AC} (3 cr)	Southern Illinois University
	<i>Computer Information Technology</i>			
	C++ Programming (16 cr)	C+ Programmer AAS (61-65 cr)	Introduction to Computers ^{DC} (3 cr)	Franklin University
	Computer Forensics Analyst (32-34 cr)	Computer Forensics AAS (62-66 cr)	Operating Systems for A+ Certification ^{DC} (3 cr)	Roosevelt University
	Computer Forensics Technician (18 cr)	Game Development AAS (61-63 cr)	2D Game Development ^{DC} (3 cr)	Southern Illinois University
	Desktop Support Technician (9 cr)	Java Programmer AAS (60-64 cr)	3D Game Development ^{DC} (3 cr)	
	Game Development (28 cr)	.NET Programmer AAS (60-67 cr)		
	Java Programming (15 cr)	Network Administration and Security AAS (63-65 cr)		
	.NET Programming (20 cr)	Office Application Specialist AAS (60-64 cr)		
	Network Administration and Security (36 cr)	Web Programmer AAS (60-64 cr)		
	Office Application Specialist (21 cr)	Computer Information Technology AA (60 cr)		
	Oracle Administrator Certified Associate (9 cr)			
	Oracle Administrator Certified Professional (12 cr)			
	Security Administration (25 cr)			
	Web Programming (18 cr)			
	<i>Administrative Office Systems</i>			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University
	Administrative Leadership (12 cr)			Southern Illinois University
	General Office (16 cr)			
	Office Professional (12 cr)			

Career Cluster: Arts, Audio/Video, Technology, and Communications

Pathway: Journalism and Broadcasting

Careers	Art Director	Design Director	Producer	Researcher
	Audio-Video Operator	Editor	Publisher	Station Manager
	Broadcast Technician	Journalist	Radio and Television Announcer	Writer
	Control Room Technician	Light Director	Reporter	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Algebra 2 Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Earth Science or Chemistry Government PE Economics	English PE
	Recommended Pathway Courses			
	Beginning TV Intro to Journalism Computer Applications 1 Introduction to Art	Creative Writing TV Apprenticeship Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century Speech Film as Literature Digital Photo/Design 1	Advanced Creative Writing Technology Support Internship Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century Speech Film as Literature Digital Photo/Design Studio	Speech Technology Support Internship Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century Film as Literature Internship
	Related Courses			
	Introduction to Art Current World Issues Civil Law	America at War Criminal Law		
	Lake County High Schools Technology Campus			
	Available Certificates	Not Applicable	Photographic Design 1	Photographic Design 2

School Activities	Career Enhancement			
	Broadcasting Team	Thespian Society	SkillsUSA	Tech Theatre
	Book Club	National Technical Honors Society		

College & University Majors	College & University Majors			
	Broadcast Journalism Communication and Media Studies Communications Creative Writing Photojournalism Mass Communication/Media Studies	Journalism Publishing Writing Recording Arts Rhetoric and Composition Sports Communication	Digital Communication and Media/Multimedia Professional, Technical, Business, and Scientific Writing Speech Communication and Rhetoric Technical and Scientific Communication Radio and Television Radio and Television Broadcasting	Radio, Television, and Digital Communication

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Digital Media and Design			
	Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media ^{AC} (3 cr) Web Design and Development ^{AC} (3 cr)	
	Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)	Introduction to Photography I ^{AC} (3 cr) Digital Photography I ^{AC} (3 cr)	
	Technical Communication			
	Professional Technical Communication (18 cr) Technical Communication (30 cr)	Technical Communication AAS (60-64 cr) Communication AA (60 cr) English AA (60 cr)		

Career Cluster: Law, Public Safety, Corrections, and Security

Careers	Attorney	EMT	Loss Prevention Specialist	Probation/Parole Officer
	Bomb Technician	Federal Marshall	Paralegal	Public Information Officer
	Corrections Officer	Firefighter	Park Ranger	Security Director
	Court Reporter	Gaming Surveillance Specialist	Police and Patrol Officer	Youth Services Worker
	Criminal Investigator	Hazardous Materials Responder		

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE Science
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Criminal Law Speech Journalism: News in the 21st Century	Sociology Psychology 1 & 2/AP Psychology Probability and Statistics/AP Statistics AP English Language	Advanced Algebra, Honors Pre-Calculus, AP Calculus Honors Anatomy & Physiology Internship
	Related Courses			
	Civil Law Business Law World Languages - Spanish	World Languages	World Languages	World Languages
College & University Majors	Lake County High Schools Technology Campus			
	Available Certifications:	Incident Command System 100 700 Incident Management System 700 Emergency Medical Technician - B First Aid/CPR	Criminal Justice 1 Fire Fighting 1 Emergency Medical Services 1	Criminal Justice 2 Fire Fighting 2 Emergency Medical Services 2

School Activities	Career Enhancement			
	Mock Trial	After School Coalition	SADD	SkillsUSA
	Temas Latinos		National Technical Honors Society	
	Economics Team			

College & University Majors	College & University Majors		
	Corrections	Cyber/Computer Forensics and Counterterrorism	Forensic Science and Technology
	Criminal Justice	Energy, Environment, and Natural Resources Law	Health Law
	Criminology	Fire Science	Homeland Security
		Fire Services Administration	Law

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Criminal Justice</i>			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr) Introduction to Policing ^{DC AC} (3 cr)	North Park University
	<i>Paralegal Studies</i>			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University
	<i>Emergency Medical Technology</i>			
	Emergency Medical Technician - Basic (7 cr) Emergency Medical Technician Paramedic (30-34 cr)	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic ^{DC AC} (7 cr)	
	<i>Fire Science Technology</i>			
		Fire Science Technology AAS (60 cr)	Introduction to Fire Science ^{DC AC} (3 cr)	Southern Illinois University
	<i>Administrative Office Systems</i>			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	<i>Social Sciences</i>			
		Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Manufacturing

Careers	Assembler Boilermaker Design Engineer Environmental Engineer Foundry Worker	Freight, Stock and Material Mover Health and Safety Representative Industrial Machinery Mechanic Inspector Labor Relations Manager	Logistician Manufacturing Technician Pattern and Model Maker Production Manager Quality Control Technician	Safety Engineer SPC Coordinator Tool and Die Maker Traffic Manager Welder
High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History Driver's Ed/PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Industrial Technology		Psychology 1 & 2/AP Psychology	Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
	Civil Law PLTW-IED	Business Management Web Design STEM Inquiry and Research	Business Law Business Incubator	AP Physics AP Chemistry
	Lake County High Schools Technology Campus			
	Available Certifications:	Not Applicable	Welding 1	Welding 2
School Activities	Career Enhancement			
	Robotics	Temas Latinos	FBLA	SkillsUSA
	Math Team	Academic Team	Economics Team	National Technical Honors Society
College & University Majors	College & University Majors			
	Apparel and Textiles	Laser and Optical Technology	Nuclear/Nuclear Power Technology	
	Computer Engineering Technology	Manufacturing Engineering	Occupational Safety and Health Technology	
	Engineering	Mechanical Engineering	Plastics and Polymer Engineering	
	Industrial Technology	Metallurgical Technology	Robotics Technology	
College of Lake County Programs	Certificates	Degrees	Dual Credit^{DC} and Articulated Credit^{AC} Courses	Four-Year Universities Transfer Programs
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
	Marketing (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr)		DeVry University
	Supervision (27 cr)	Management AAS (60-63 cr)		National Louis University
		Marketing AAS (60-63 cr)		Southern Illinois University
		Sales AAS (60-63)		
		Business Administration AA (60 cr)		
	Mechanical Engineering Technology			
	Mechanical Engineering Technology Design - MET I Toolbox (9 cr)	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
	Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr)			
	Mechanical Engineering Technology Design - MET III Mechatronics (9 cr)			
	Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr)			
	Mechanical Service Technician I (17 cr)			
	Mechanical Service Technician II (18 cr)			
	Mechanical Engineering Technology			
	Mechanical Engineering Technology Design - MET I Toolbox (9 cr)	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
	Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr)			
	Mechanical Engineering Technology Design - MET III Mechatronics (9 cr)			
	Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr)			
	Mechanical Service Technician I (17 cr)			
	Mechanical Service Technician II (18 cr)			
	Welding			
	Gas Metal Arc Welding (18 cr)		General Welding ^{DC AC} (2 cr)	
	Gas Tungsten Arc Welding (24 cr)		Gas, Welding, Cutting and Brazing ^{DC AC} (3 cr)	
	Shielded Metal Arc Welding (21 cr)		Shielded Metal Arc Welding ^{DC AC} (3 cr)	
	Welding (41-42 cr)			

Career Cluster: Marketing, Sales, and Service

Careers	Copywriter/Designer	Interactive Media Specialist	Public Relations Manager	Shipping/Receiving Clerk
	E-Commerce Director	Inventory Manager/Analyst	Promotions Manager	Telemarketer
	Entrepreneur	Logistics Manager	Retail Marketing Coordinator	Warehouse Manager
	Field Marketing Representative	Merchandise Buyer	Sales Executive	Webmaster
	Forecasting Manager	On-line Market Researcher		

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Accounting Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Business Incubator Probability and Statistics/AP Statistics Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Sports/Entertainment Marketing Advanced Algebra, Honors Pre-Calculus, AP Calculus Business Management Internship
	Related Courses			
	Intro to Journalism Introduction to Art	Creative Writing Digital Photo Design	Adv. Creative Writing Digital Photo Design Design Studio Web Design	
Lake County High Schools Technology Campus				
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop	Graphic/Web Design 1 Photographic Design 1	Graphic Web Design 2 Photographic Design 2

School Activities	Career Enhancement			
	FBLA	Mock Trial	Student Leadership	SkillsUSA
	Temas Latinos	National Honor Society	National Technical Honors Society	Economics Team

College & University Majors	College & University Majors		
	Advertising	General Merchandising, Sales, and Related Marketing Operations	Real Estate
	International Marketing	Merchandising and Buying Operations	Retail Management
	Marketing Research	Public Relations, Advertising, and Applied Communication	
	Marketing	Sales, Distribution and Marketing Operations	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Accounting			
	Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures ^{AC} (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	Business Administration			
	Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
	Digital Media and Design			
	Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media ^{AC} (3 cr) Web Design and Development ^{AC} (3 cr) Introduction to Photography I ^{AC} (3 cr) Digital Photography I ^{AC} (3 cr)	
	Technical Communication			
	Professional Technical Communication (18 cr) Technical Communication (30 cr)	Technical Communication AAS (60-64 cr) English AA (60 cr)		

Career Cluster: Government & Public Administration

Pathway: National Security

Careers	Agent/Specialist	Cryptographer	National Security Advisor	Submarine Officer
	Airborne Warning/Control Specialist	Intelligence Analyst	Officer/Specialist: Military, Space,	Surface Ship Warfare Officer
	Combat Aircraft Pilot/Crew	Combat Control Officer	Staff or Field Officer	Intelligence/Counter-Intelligence Officer

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics / AP Economics	English PE
	Recommended Pathway Courses			
	Current World Issues Civil Law Computer Applications 1 & 2	Criminal Law America at War Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Analytical Chemistry Sociology Psychology 1 & 2/AP Psychology AP Environmental Science	Advanced Algebra, Honors Pre-Calculus, AP Calculus Physics Internship
	Related Courses			
	World Languages	World Languages Speech	World Languages Composition	World Languages
	Lake County High Schools Technology Campus			
	Available Certifications:	Not Applicable	Criminal Justice 1	Criminal Justice 2

School Activities	Career Enhancement			
	Mock Trial	After School Coalition	SkillsUSA	Model UN
	Economics Team		National Technical Honors Society	

College & University Majors	College & University Majors			
	Air Force JROTC/ROTC	Engineering Acoustics	Crisis/Emergency/Disaster Management	
	Army JROTC/ROTC	Homeland Security	Cyber/Electronic Operations and Warfare	
	Navy/Marine Corps JROTC/ROTC	Military Studies	Military Applied Sciences	
	National Security Policy Studies	Military Technologies	Military Operational Art and Science/Studies	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Criminal Justice</i>			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice ^{DC AC} (3 cr) Introduction to Policing ^{DC AC} (3 cr)	North Park University
	<i>Educational Affairs</i>			
		International Studies AA (60 cr)		Benedictine University
	<i>Emergency and Disaster Management</i>			
	Emergency and Disaster Management (15 cr)			
	<i>Paralegal Studies</i>			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University
	<i>Political Science</i>			
		Political Science AA (60 cr)		
	<i>Administrative Office Systems</i>			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University

Career Cluster: Arts, Audio/Video, Technology, and Communications

Pathway: Performing Arts

Careers	Actor	Director and Coach	Music Instructor	Playwright
	Composer	Film/Video Editor	Musician	Scenic Designer
	Conductor	Lighting Designer	Performer	Sound Designer
	Costume Designer	Makeup Artist	Performing Arts Educator	Production Manager: Digital, Video, and Stage
	Dancer			

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Algebra 2 Earth Scienc or Chemistry US History PE	English 3 Geometry/Algebra 2 Earth Scienc or Chemistry Government PE Economics	English PE
	Recommended Pathway Courses			
	Band Sequence Choir Sequence Theatre Sequence	Beginning Guitar Intermediate Guitar Tech Theatre PLTW-IED	Music Theory Industrial Technology Film as Literature Speech	AP English Literature Internship
	Related Courses			
	Introduction to Art	Clothing Digital Photo/Design 1	Creative Writing Advanced Creative Writing	Digital Photo/Design Studio
	Lake County High Schools Technology Campus			
	Available Certifications	Not Applicable	Not Applicable	

School Activities	Career Enhancement			
	Pasos Latinos	Marching Band	Show Choir - Sound, Lights, Sound FX	
	Set Crew	Pit Band	Orchesis	
	Thespian Society	Poetry Slam Team	Pep Band	

College & University Majors	College & University Majors		
	Acting	Arts, Entertainment, and Media Management	Music
	Ballet	Cinematography and Film/Video Production	Musicology and Ethnomusicology
	Brass Instruments	Directing and Theatrical Production	Percussion Instruments
	Conducting	Music History, Literature, and Theory	Playwriting and Screenwriting
	Costume Design	Music Management and Merchandising	Stringed Instruments
	Dance	Music Pedagogy	Technical Theatre/Theatre Design
	Drama /Theatre Arts	Music Performance	Theatre/Theatre Arts Management
	Film/Cinema/Video Studies	Music Technology	Visual and Performing Arts
	Jazz/Jazz Studies	Music Theory and Composition	Voice and Opera
	Keyboard Instruments	Musical Theatre	Woodwind Instruments
	Music Management	Theatre Literature, History and Criticism	

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Communication Arts			
		Dance AA (61 cr) Music AA (60 cr) Music Education AFA (62-63 cr) Music Performance AFA (65-69 cr) Theatre Performance AA (60 cr) Theater Technical AA (60 cr)		Columbia College

Career Cluster: Science, Technology, Engineering & Mathematics

Pathway: Science and Mathematics

Careers	Analytical Chemist	Biologist/Zoologist	Geologist	Nuclear Chemist/Technician
	Anthropologist	Botanist	Geophysicist	Physicist
	Applied Mathematician	Chemist	Marine Scientist	Programmer
	Archeologist	Ecologist	Math/Science Teacher	Quality-Control Scientist
	Astronomer	Economist	Mathematician	Research Technician
	Astrophysicist	Environmental Scientist	Meteorologist	Scientist
	Atmospheric Scientist	Geneticist	Nanobiologist	Statistician

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Chemistry US History PE	English 3 Geometry/Algebra 2 Physics Government PE Economics/AP Economics	English PE
	Recommended Pathway Courses			
	Computer Apps 1 & 2	Nanotechnology and Research	Nanotechnology and Research	Advanced Algebra, Honors Pre-Calculus, AP Calculus
	PLTW - Introduction to Engineering and Design	STEM Inquiry and Research	STEM Inquiry and Research	AP Calculus
	Mobile App Creation and Coding	PLTW - Principles of Engineering	Independent STEM Inquiry & Research	AP Science
		TSI	PLTW-Computer Integrated Manufacturing	Technology Support Internship
			Honors Anatomy & Physiology AP Science. Statistics/AP Statistics	Internship
	Related Courses			
	Industrial Technology Introduction to Business Introduction to Art	Ceramics/Sculpture 1	Business Management Ceramics/Sculpture 1, Metalsmithing 1	Food and Nutrition
Lake County High Schools Technology Campus				
Available Certifications:				
	Adobe Dreamweaver, Flash, Illustrator and Photoshop CompTIA A+ Essentials CompTIA A+ Practical Application CLC - Laser/Photonics/Optics	Photonics 1 Game/Programming 1 Welding 1 Building Trades 1 Computer Support Services 1	Photonics 2 Game/Programming 2 Welding 2 Building Trades 2 Computer Support Services 2	

School Activities	Career Enhancement			
	Academic Team	Math Team	SkillsUSA	
	Robotics Team	Environmental Club	National Technical Honors Society	

College & University Majors	College & University Majors			
	Acoustics	Cellular and Molecular Biology	Informatics	Organic Chemistry
	Aerospace Engineering	Ceramic Sciences and Engineering	Inorganic Chemistry	Parasitology
	Agricultural Engineering	Chemical and Biomolecular Engineering	Laser and Optical Engineering	Pathology
	Analytical Chemistry	Chemical Engineering	Manufacturing Engineering	Petroleum Engineering
	Anatomy	Chemical Physics	Marine Biology	Pharmacology
	Animal Behavior and Ethology	Civil Engineering	Materials Chemistry	Pharmacology and Toxicology
	Animal Genetics	Cognitive Science	Materials Engineering	Physical and Biological Anthropology
	Animal Physiology	Computational Mathematics	Materials Science	Physical Chemistry
	Applied Economics	Computational Science	Mathematical Biology	Physical Sciences
	Applied Mathematics	Computer Hardware Engineering	Mathematical Statistics	Physics
	Applied Statistics	Materials Physics	Mathematics and Statistics	Physiology
	Aquatic Biology/Limnology	Conservation Biology	Mathematics	Planetary Astronomy and Science
	Architectural Engineering	Construction Engineering	Mechanical Engineering	Plant Molecular Biology
	Astronomy	Embryology	Robotics	Plant Pathology/Phytopathology
	Astrophysics	Ecology	Medical Anthropology	Plant Physiology
	Atmospheric Chemistry and Climatology	Econometrics	Medical Microbiology	Plasma and High-Temperature Physics
	Atmospheric Physics and Dynamics	Electrical Engineering	Metallurgical Engineering	Polymer Chemistry
	Atmospheric Sciences and Meteorology	Electromechanical Engineering	Meteorology	Polymer Engineering
	Atomic/Molecular Physics	Elementary Particle Physics	Microbiology and Immunology	Radiation Biology
	Behavioral Sciences	Engineering	Mining and Mineral Engineering	Reproductive Biology
	Biochemical Engineering	Environmental Biology	Molecular Biochemistry	Sociobiology
	Biochemistry	Environmental Chemistry	Molecular Biology	Statistics
	Biochemistry and Molecular Biology	Environmental Toxicology	Molecular Biophysics	Structural Biology
	Bioengineering	Environmental Engineering	Molecular Genetics	Structural Engineering
	Biological and Biomedical Sciences	Epidemiology	Molecular Pathogenesis	Survey Research and Methodology
	Biological Engineering	Evolutionary Biology	Molecular Pharmacology	Systematic Biology
	Biology	Forensic Chemistry	Molecular Physiology	Systems Engineering

College & University Majors	College & University Majors			
	Biomathematics	Forest Engineering	Molecular Toxicology	Systems Science and Theory
	Biomedical Sciences	Genetics	Nanotechnology	Telecommunications Engineering
	Biometry/Biometrics	Genome Sciences	Natural Sciences	Textile Sciences and Engineering
	Biophysics	Geochemistry and Petrology	Marine Engineering	Theoretical and Mathematical Physics
	Biopsychology	Geological and Earth Sciences	Neurobiology and Anatomy	Theoretical Chemistry
	Biostatistics	Geological/Geophysical Engineering	Neuroscience	Toxicology
	Botany	Geophysics and Seismology	Nuclear Engineering	Translational Biology
	Cardiovascular Science	Geotechnical Engineering	Nutrition Sciences	Transportation and Highway Engineering
	Cell Biology and Anatomy	Human/Medical Genetics	Ocean Engineering	Virology
	Cell Physiology	Hydrology and Water Resources Science	Oceanography	Vision Science / Physiological Optics
		Immunology	Oncology and Cancer Biology	Water Resources Engineering
		Industrial Engineering	Optics/Optical Sciences	Zoology

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Architectural Technology			
	Architectural Technology (34 cr)	Architectural Technology AAS (62-63 cr)		
	CAD Drafting Technology			
	3D Parametric (21 cr)	Architectural/Civil AAS (66-67 cr) Graphics, Animation Mechanical AAS (64 cr)		
	Architectural (21 cr)			
	AutoCAD (19 cr)			
	Autodesk Inventor (9 cr)			
	CAD Drafting Technology (31 cr)			
	Civil (21-22 cr)			
	Graphics, Animation			
	ProEngineer (9 cr)			
	SolidWorks (9 cr)			
	Civil and Environmental Technology			
	Surveying and Civil	Civil and Environmental Surveying/Geomatics AA (60 cr)		
	Construction Management Technology			
	Construction Management Technology (23-25 cr)	Construction Management Technology AAS (63-67 cr)	Carpentry I ^{AC} (3 cr) Carpentry II ^{AC} (3 cr)	Illinois State University Purdue University Calumet
	Computer Information Technology			
	C++ Programming (16 cr)	C+ Programmer AAS (61-65 cr) Computer Forensics AAS (62-66 cr) Game Development AAS (61-63 cr) Java Programmer AAS (60-64 cr) .NET Programmer AAS (60-67 cr) Network Administration Office Application Web Programmer AAS (60-64 cr) Computer Information	Introduction to Computers ^{DC} (3 cr) Operating Systems for 2D Game Development ^{DC} (3 cr) 3D Game Development ^{DC} (3 cr)	Franklin University Roosevelt University Southern Illinois University
	Computer Forensics Analyst (32-34 cr)			
	Computer Forensics Technician (18 cr)			
	Desktop Support Technician (9 cr)			
	Game Development (28 cr)			
	Java Programming (15 cr)			
	.NET Programming (20 cr)			
	Network Administration and Office Application Specialist (21 cr)			
	Oracle Administrator			
	Oracle Administrator			
	Security Administration (25 cr)			
	Web Programming (18 cr)			
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr)	Electrical Engineering	PC Hardware	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University
	Electrical/Electronics Electronics Technology (35 cr)		PC Peripherals and	
	Electronic Information Technology			
	Fiber Optics Technician (7 cr)	Electronic Information	PC Hardware	
	Linux System Wireless Networking		PC Peripherals and	
	Electronic Systems Technology			
		Electronic Systems	PC Hardware PC Peripherals and	Southern Illinois University
	Laser/Photonics/Optics			
	Applied Lasers (13 cr)			
	Biophotonics (15 cr)			
	Laser/Photonics/Optics (16 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Mechanical Engineering Technology	Mechanical Engineering		Northern Illinois University
	Mechanical Engineering Technology			
	Mechanical Engineering Technology			
	Mechanical Engineering Technology			
	Mechanical Engineering Technology			
	Mechanical Service Technician I (17 cr)			
	Mechanical Service Technician II (18 cr)			
	Welding		General Welding ^{DC AC} (2 cr) Gas, Welding, Cutting Shielded Metal	
	Gas Metal Arc Welding (18 cr)			
	Gas Tungsten Arc Welding (24 cr)			
	Shielded Metal Arc Welding (21 cr)			
	Welding (41-42 cr)			
	Biological and Health Sciences	Biological Sciences AS (60 cr) Chemistry AS (60 cr) Ecology AS (60 cr) Microbiology AS (60 cr)		
	Engineering, Math and Physical Science	Computer Science AS (60 cr) Earth Science AS (60 cr) Engineering AES (62-64 cr) Mathematics AS (60 cr) Physics AS (60 cr) Surveying/Geomatics AS (60 cr) Teaching in Secondary		
	Social Science	Anthropology AA (60 cr) Economics AA (60 cr)		

Career Cluster: Transportation, Distribution and Logistics

Careers	Airplane Pilot/Co-Pilot	Environmental Manager	Locomotive Engineer	Transportation Manager
	Air Traffic Controller	Facility Engineer	Marine Captain	Truck Driver
	Avionics Technician	Industrial Equipment Mechanic	Port Manager	Urban and Regional Planner
	Cargo and Freight Agent	Industrial and Packaging Engineer	Safety Analyst	Warehouse Manager
	Customs Inspector	International Logistics Specialist	Storage and Distribution Manager	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Introduction to Business	Business Law	Accounting	Advanced Algebra, Honors Pre-Calculus, AP Calculus Probability and Statistics/AP Statistics AP Science Internship
	Related Courses			
	Industrial Technology PLTW-IED	Business Management Web Design Business Incubator STEM Inquiry and Research		Honors Accounting
Lake County High School Technology Campus	Available Certifications:			
		SP2 General Service Tech./NATEF ASE Hours	Auto Collision Repair 1 Auto Service 1	Auto Collision Repair 2 Auto Service 2

School Activities	Career Enhancement			
	Math Team	Academic Team	Economics Team	SkillsUSA
	Robotics	Temas Latinos	National Honor Society	National Technical Honors Society
	FBLA			

College & University Majors	College & University Majors			
	Aeronautical/Aerospace Engineering	Flight Instructor	Aviation/Airway Management and Operations	
	Aeronautics/Aviation/Aerospace Science	Professional Pilot	Marine Science/Merchant Marine Officer	
	Air Traffic Controller	Marine Transportation	Transportation/Mobility Management	
	Automotive Engineering Technology			

College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Automotive Collision Repair</i>	Automotive Collision Repair AAS (65 cr)	Non Structural Repair I ^{DC AC} (5 cr) Non Structural Repair II ^{DC AC} (5 cr) Automotive Refinishing I ^{DC AC} (3 cr) Automotive Refinishing II ^{DC AC} (5 cr) Automotive Detailing ^{DC AC} (3 cr)	
	Auto Collision Repair (13 cr)			
	Auto Damage Analysis (14 cr)			
	Automotive Refinishing Technician (16 cr)			
	Automotive Structural Repair Technician (21 cr)			
	<i>Automotive Technology</i>	Under Hood Technician AAS (67 cr) Under the Car Technician AAS (61 cr)	Applied Mechanics ^{AC} (4 cr) Braking Systems ^{AC} (5 cr) Suspension and Alignment ^{AC} (5 cr)	Ferris State University Minnesota State University Southern Illinois University
	Under Hood Technician (50 cr)			
	Transmission Technician (35 cr)			
	Under the Car Technician (30 cr)			
	Automotive Air Conditioning and Heating Specialist (14 cr)			
	Automotive Electrical Specialist (14 cr)			
	Automotive Fuel Systems Specialist (14 cr)			
	Automotive Service Specialist (14 cr)			
	Automotive Brakes and Suspension Specialist (14 cr)			

	Automotive Oil Change Specialist (14 cr) Automotive Transmission Specialist (14 cr)			
College of Lake County Programs	Certificates	Degrees	Dual Credit^{DC} and Articulated Credit^{AC} Courses	Four-Year Universities Transfer Programs
	<i>Administrative Office Systems</i>			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University Southern Illinois University
	<i>Business Administration</i>			
	Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63 cr) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University

Career Cluster: Arts, Audio/Video, Technology, and Communications

Pathway: Visual Art

Careers	Art Director	Computer Animator	Fashion Designer	Illustrator
	Artist	Curator and Gallery Manager	Fashion Illustrator	Interior Designer
	Commercial Artist	Commercial/Residential and Home Furnishing Coordinator	Graphic Designer	Textile Designer
			Commercial Photographer: Digital, Still, Video, Film	
High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Introduction to Art Intro to Business Clothing	Digital Photo/Design 1 Studio Art Film as Literature Journalism: Yearbook & Photojournalism	Web Design Business Incubator AP Studio Art	AP Studio Art Internship
	Related Courses			
	Computer Applications 1	Computer Applications 2	Clothing	
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop	Graphic Web Design 1	Graphic Web Design 2
	School Activities	Career Enhancement		
Visual Art Club		Skills USA	National Technical Honors Society	
College & University Majors	College & University Majors			
	Applied Art	Commercial and Advertising Art	Industrial and Product Design	
	Craft Artists	Commercial Photography	Interior Design	
	Design and Applied Arts	Graphic Design	Photographic and Film/Video Technology	
	Fashion/Apparel Design	Illustration	Visual and Performing Arts	
College of Lake County Programs	Certificates	Degrees	Dual Credit ^{DC} and Articulated Credit ^{AC} Courses	Four-Year Universities Transfer Programs
	Digital Media and Design			
	Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media ^{AC} (3 cr)	
	Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)	Web Design and Development ^{AC} (3 cr)	
			Introduction to Photography I ^{AC} (3 cr)	
			Digital Photography I ^{AC} (3 cr)	
	Administrative Office Systems			
	Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications ^{AC} (3 cr)	DeVry University
	Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)			Southern Illinois University
Communication Arts				
	Art AA (60 cr)			