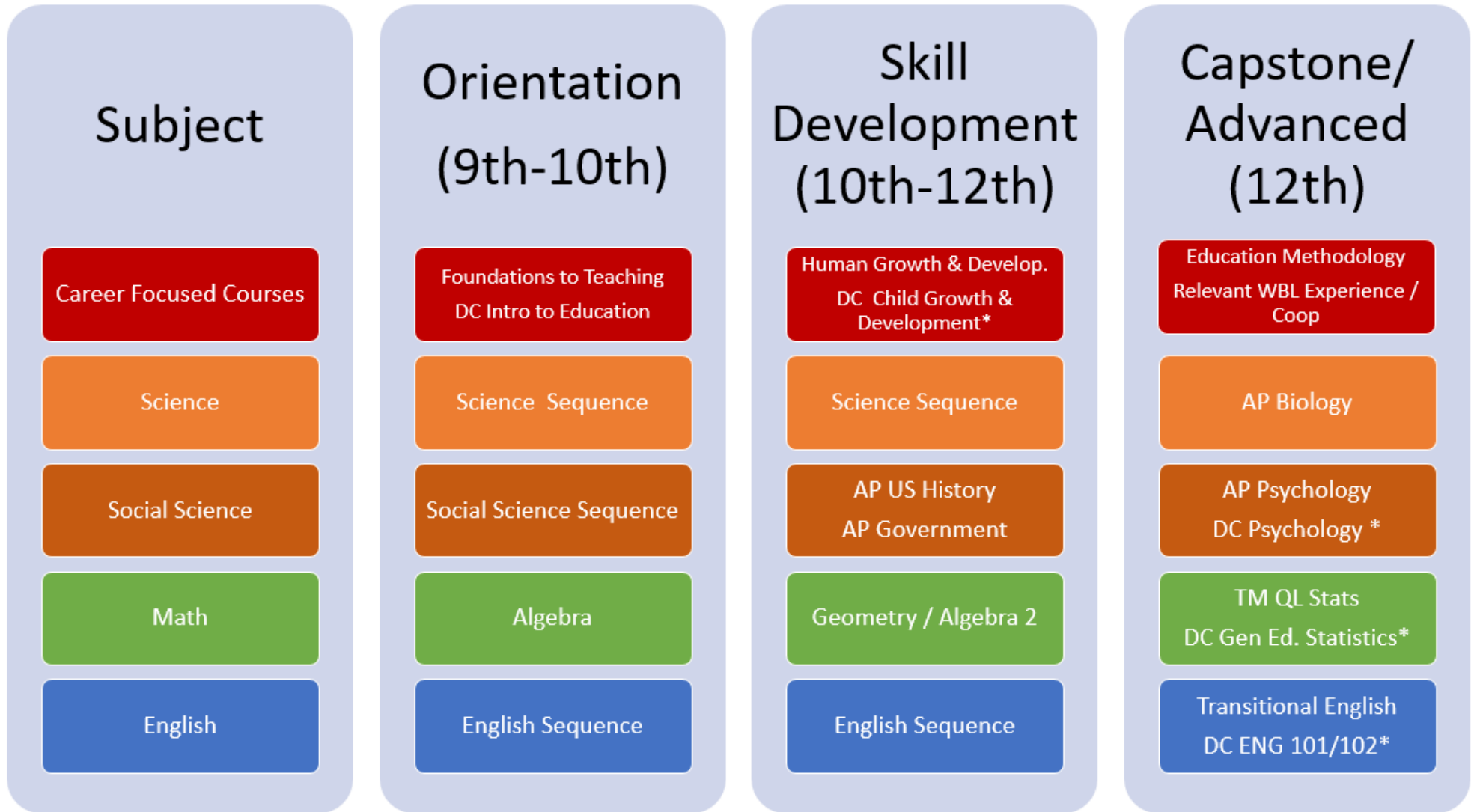


Program of Study Model 1



* Indicates a Dual Credit Course Affiliated with an IAI Course Code

Capstone/ Advanced (12th)

Education Methodology
Relevant WBL Experience / Coop

AP Biology

AP Psychology
DC Psychology *

TM QL Stats
DC Gen Ed. Statistics*

Transitional English
DC ENG 101/102*



Recommended 1st Year Postsecondary Courses in HS~

Education Courses

- Child Growth and Development*
- The Exceptional Child*
- Educational Psychology

Gen Ed. Core Laboratory
Science

Psychology*
General Ed. Core SS

Gen. Ed. Statistics*
Mathematics for
Elementary Teaching I & II*

Eng. 101/102*
Speech 101*

Early Childhood Education

AAS Early Childhood
Education

AAS Paraprofessional or
Teaching Assistant

Guided Transfer

AA in Elementary/
Early Childhood/
Secondary/
Special Education

Bachelor's
Elementary/
Early Childhood/
Secondary/
Special Education

Professional
Educator
License

* IAI Course

~If accomplished through early college credit students should take the next required course in the subject or, if none, additional AAS or Major Course

Model 2 - EDUCATION PROGRAM OF STUDY MATRIX: MIDDLE -HIGH SCHOOL-POSTSECONDARY (THREE YEAR SEQUENCE)

This Career Program of Study can serve as a guide, along with other career planning materials, as learners continue along a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The program of study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements. Additional career exploration opportunities should also be offered at upper elementary grade levels to promote higher engagement and learner focus in subsequent years.

	Grade	English	Math	Science	Social Studies	Required Courses, Electives, and Learner Activities	Career and Technical Courses	Sample Occupations
Student Success Plans outlining career goals should be utilized through the advisement process.								Occupations Requiring on-the-job training or Industry-Recognized Credential -Behavioral Technician -Child Care Worker -Teacher Aide/Assistant -After-school Child Care Teacher -Youth Enrichment Instructor
Middle School	7	ELA 7	Math 7	Science 7	Social Studies 7			
	8	ELA 8	Math 8	Science 8	Social Studies 8			
Courses with an asterisk () indicate the potential for exploring credit transfer opportunities with local community colleges*								
Secondary	9	ELA 9	Algebra I	NGSS Aligned Science 9	United States History	All programs of study should meet local and state high school graduation requirements and college entrance requirements. Participations in a CTSO are also important for developing appropriate skills and competencies.		Occupations Requiring an Associate's Degree: -Early Childhood Educator -Paraprofessional Educator Occupations Requiring a Bachelor's Degree: -Behavioral Therapist -Career and Technical Education Teacher -Education Consultant -Elementary School Teacher -Middle School Teacher -Secondary School Teacher -Special Education Teacher -Curriculum Sales Associate
	10	ELA 10	Geometry	NGSS Aligned Science 10	World History or Economics		Foundations to Teaching or DC Introduction to Education*	
	11	ELA 11	Algebra II	Biology* or AP Biology	American Government* or AP Government		Human Growth and Development or DC Child Growth & Development*	
	12	Transitional English or DC ENG 101/102*	TM QL & Statistics or DC Gen Ed Statistics*	Physics* or AP Physics	Psychology* or AP Psychology		Education Methodology* Education Workplace Experience	
Courses with a double asterisk () indicate courses that might have already been met with an appropriate dual credit agreement**								
Postsecondary	13	English Composition**	Gen Ed Math** or Gen Ed Statistics	Biology** or Physics**	Psychology** or Human Growth & Development**	All programs of study should meet learners' career goals with regards to required degrees, licenses, certifications or journey worker status. Participations in appropriate student organizations are also important for developing appropriate skills and competencies.	Continue required courses in learners' chosen area of specialization to complete the desired certification and/or credential.	Occupations Requiring an Advanced Degree: -Curriculum Developer -Instructional Coordinator -Postsecondary Teacher -School Administrator -Superintendent -School Counselor
	14	Speech or Oral Communication	Statistics or Calculus	Earth Science	Sociology			
	15	Continue courses in learners' chosen area of specialization						
	16							

Model 2 - EDUCATION PROGRAM OF STUDY MATRIX: MIDDLE -HIGH SCHOOL-POSTSECONDARY (FULL SEQUENCE)

This Career Program of Study can serve as a guide, along with other career planning materials, as learners continue along a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. The program of study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements. Additional career exploration opportunities should also be offered at upper elementary grade levels to promote higher engagement and learner focus in subsequent years.

	Grade	English	Math	Science	Social Studies	Required Courses, Electives, and Learner Activities	Career and Technical Courses	Sample Occupations
Student Success Plans outlining career goals should be utilized through the advisement process.								Occupations Requiring on-the-job training or Industry-Recognized Credential -Behavioral Technician -Child Care Worker -Teacher Aide/Assistant -After-school Child Care Teacher -Youth Enrichment Instructor
Middle School	7	ELA 7	Math 7	Science 7	Social Studies 7		Career Exploration	
	8	ELA 8	Math 8	Science 8	Social Studies 8		Employability Skills	
Courses with an asterisk () indicate the potential for exploring credit transfer opportunities with local community colleges*								
Secondary	9	ELA 9	Algebra I	NGSS Aligned Science 9	United States History	All programs of study should meet local and state high school graduation requirements and college entrance requirements. Participations in a CTSO are also important for developing appropriate skills and competencies.	Human Services Career Exploration	Occupations Requiring an Associate's Degree: -Early Childhood Educator -Paraprofessional Educator
	10	ELA 10	Geometry	NGSS Aligned Science 10	World History or Economics		Foundations to Teaching or DC Introduction to Education*	
	11	ELA 11	Algebra II	Biology* or AP Biology	American Government* or AP Government		Human Growth and Development or DC Child Growth & Development*	Occupations Requiring a Bachelor's Degree: -Behavioral Therapist -Career and Technical Education Teacher -Education Consultant -Elementary School Teacher -Middle School Teacher -Secondary School Teacher -Special Education Teacher -Curriculum Sales Associate
	12	Transitional English or DC ENG 101/102*	TM QL & Statistics or DC Gen Ed Statistics*	Physics* or AP Physics	Psychology* or AP Psychology		Education Methodology Instructional Technology Education Workplace Experience	
Courses with a double asterisk () indicate courses that might have already been met with an appropriate dual credit agreement**								
Postsecondary	13	English Composition**	Gen Ed Math** or Gen Ed Statistics	Biology** or Physics**	Psychology** or Human Growth & Development**	All programs of study should meet learners’ career goals with regards to required degrees, licenses, certifications or journey worker status. Participations in appropriate student organizations are also important for developing appropriate skills and competencies.	Continue required courses in learners’ chosen area of specialization to complete the desired certification and/or credential.	Occupations Requiring an Advanced Degree: -Curriculum Developer -Instructional Coordinator -Postsecondary Teacher -School Administrator -Superintendent -School Counselor
	14	Speech or Oral Communication	Statistics or Calculus	Earth Science	Sociology			
	15	Continue courses in learners’ chosen area of specialization						
	16							

CTE Course Codes, Titles, Definitions

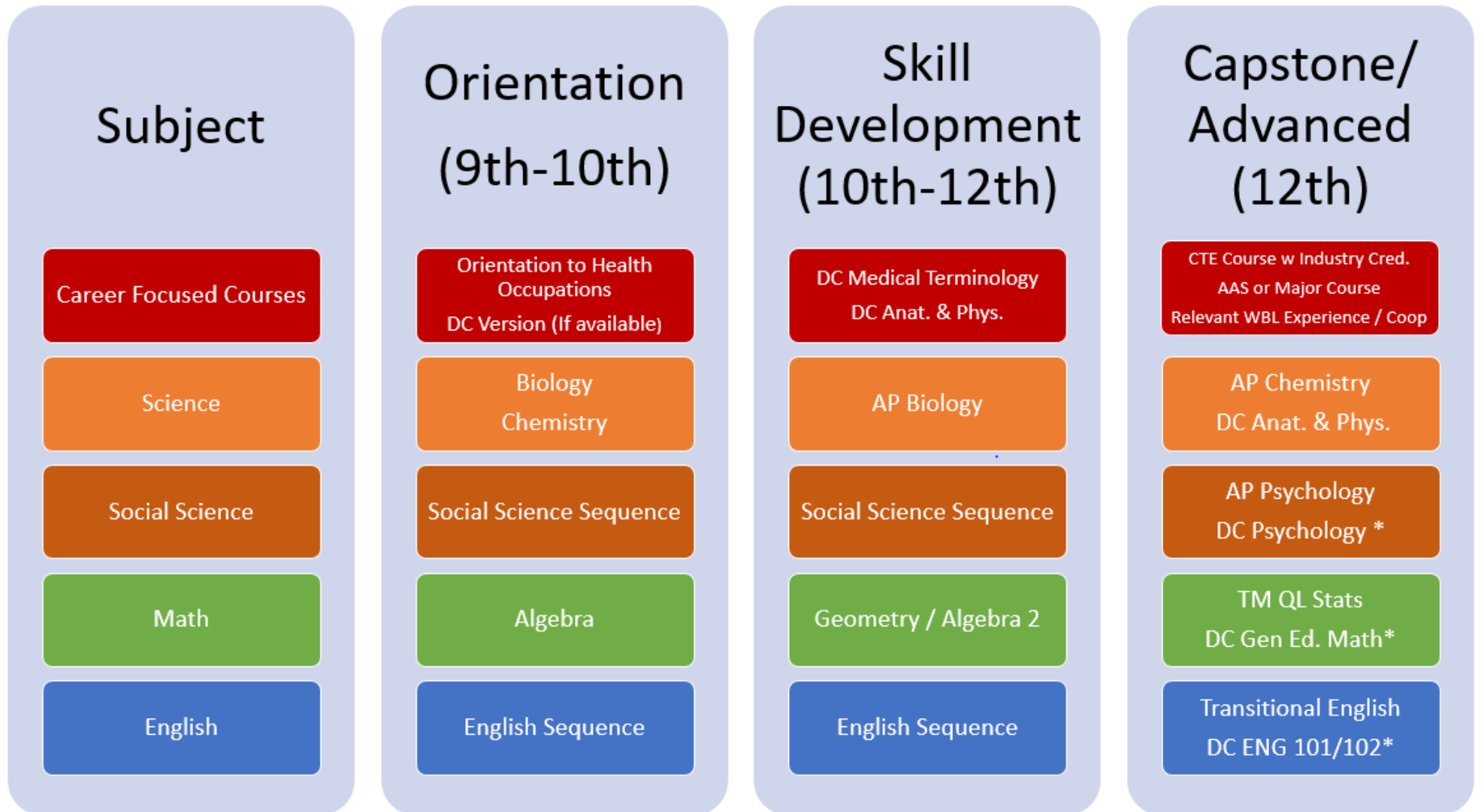
State Codes	Course Title	Course Definitions
	Human Services Career Exploration (Orientation)	Human Services Career Exploration courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for others, education, cosmetology, apparel/textiles, entrepreneurship, labor laws, and customer service. Course activities depend upon the careers being explored.
	Foundations to Teaching (Introductory)	This course introduces students to the principles underlying teaching and learning, responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. A combination of classroom and field experiences will enable the student gain skilled knowledge and understanding of the education profession. Course content includes projects to develop an understanding of the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in the field of education, and Illinois regulations and licensing requirements.
	Human Growth and Development (Introductory)	This course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care -giver; individual and family wellness planning; and fostering intergenerational relationships. Practical experiences related to these topics are included through a variety of activities such as volunteer experiences, service learning, and intergenerational event planning opportunities. Information on a variety of human and family services careers is incorporated throughout the course.
	Educational Methodology (Skills)	This course provides opportunity for students to develop skills to teach and guide others. Coursework includes opportunity for students to create and develop teaching objectives, design lesson plans, and experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. Students will explore opportunities in education careers and develop/expand their career portfolio.
	Instructional Technology (Advanced)	Instructional Technology courses address the implementation of technical devices and processes that are used to improve and facilitate learning. Content includes, but is not limited to, productivity tools, interactive multimedia, communications, educational software and hardware, instructional applications, and ethical, legal, social, and professional issues.
	Education—Workplace Experience (Capstone)	Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Additional Learning Opportunities Continuum

Early Career Opportunities Learning about work	Credit Transfer & WBL Opportunities	Industry Recognized Credentials	Student Organization
<input type="checkbox"/> Career Planning	<input type="checkbox"/> Dual Enrollment / Dual Credit	<input type="checkbox"/> Certification / License	<input type="checkbox"/> Business Professionals of America (BPA)
<input type="checkbox"/> Career Fairs	<input type="checkbox"/> Advanced Placement	<input type="checkbox"/> Certification / License	<input type="checkbox"/> Future Business Leaders of America (FBLA)
<input type="checkbox"/> Industry Speakers	<input type="checkbox"/> Articulated Credit	<input type="checkbox"/> Other	<input type="checkbox"/> Family, Career and Community Leaders of America
<input type="checkbox"/> Informational Interviews	<input type="checkbox"/> Pre-Apprenticeship		<input type="checkbox"/> Future Farmers of America - Illinois (FFA)
<input type="checkbox"/> Career Presentations	<input type="checkbox"/> Clinical Experiences		<input type="checkbox"/> Illinois DECA
<input type="checkbox"/> Worksite Tours	<input type="checkbox"/> Project-based Learning		<input type="checkbox"/> Future Health Professionals (HOSA)
<input type="checkbox"/> Cooperative Education	<input type="checkbox"/> Other		<input type="checkbox"/> Skills USA Illinois
<input type="checkbox"/> Internships			<input type="checkbox"/> Technology Student Association (TSA)
<input type="checkbox"/> Job Shadow			<input type="checkbox"/> Other
<input type="checkbox"/> Other			List Other:

Feeder Middle School(s):	
College/Universities and Articulated Credit Agreements:	
LEA Additional Graduation Requirements	

Program of Study Model 1



* Indicates a Dual Credit Course Affiliated with an IAI Course Code

Capstone/ Advanced (12th)

CTE Course w/ Industry Cred.
AAS or Major Course
Relevant WBL Experience / Coop

AP Chemistry
DC Anat. & Phys.

AP Psychology
DC Psychology *

TM QL Stats
DC Gen Ed. Math*

Transitional English
DC ENG 101/102*

Recommended 1st Year Postsecondary Courses in HS~

AAS or Major Courses

Science Courses

- Biology for Non-Majors*~
- General Chemistry*~
- Anat. & Phys. I/II~
- Microbiology

Social Science

- Psychology*~
- Sociology*

Gen. Ed. Math*

Eng. 101/102*

Speech 101*

Associate's of Science

Bachelor's of Science

- Pre-Med
- Pre-Dentistry
- Pre-Pharmacy

Nursing

Practical Nursing (Certificate)

Resident Nurse AAS

Resident Nurse (Bachelor's)

Other Health Professions & Related Clinical Services

Clinical/Medical Laboratory Science & Allied Professions

Allied Health Diagnostic, Intervention, and Treatment Professions

Allied Health & Medical Assisting Services.

Dental Hygienist

- Surgical Technician
Cert./AAS
- Medical Laboratory
Tech. AAS

Radiography AAS

Respiratory Therapists AAS

Physical Therapy Assistant AAS

Occupational Therapy Assis. AAS

Dental Hygienist AAS

Physical Therapy Bachelor's

Occupational Therapy Bachelor's

* IAI Course

~If accomplished through early college credit students should take the next required course in the subject or, if none, additional AAS or Major Course

Model 2 - NURSING PROGRAM OF STUDY MATRIX: MIDDLE -HIGH SCHOOL-POSTSECONDARY (THREE YEAR SEQUENCE)

This Career Program of Study can serve as a guide, along with other career planning materials, as learners continue along a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. The program of study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements. Additional career exploration opportunities should also be offered at upper elementary grade levels to promote higher engagement and learner focus in subsequent years.

	Grade	English	Math	Science	Social Studies	Required Courses, Electives, and Learner Activities	Career and Technical Courses	Sample Occupations
Student Success Plans outlining career goals should be utilized through the advisement process.								Occupations Requiring on-the-job training or Industry-Recognized Credential -Certified Nursing Assistant -Geriatric Aide -Home Health Aide -Hospice Aide -Nurse Aide -Patient Care Technician
Middle School	7	ELA 7	Math 7	Science 7	Social Studies 7			
	8	ELA 8	Math 8	Science 8	Social Studies 8			
Courses with an asterisk () indicate the potential for exploring credit transfer opportunities with local community colleges*								
Secondary	9	ELA 9	Algebra I	NGSS Aligned Science 9	United States History	All programs of study should meet local and state high school graduation requirements and college entrance requirements. Participations in a CTSO are also important for developing appropriate skills and competencies.	Orientation to Health Occupations* Medical Terminology* Introduction to Pathophysiology and Pharmacology or Health Occupations Introductory Skills Nursing Assistant* Therapeutic Services Workplace Experience	Occupations Requiring an Associate's Degree: -Licensed Practical Nurse -Critical Care Technician -Clinical Operations Coordinator Occupations Requiring a Bachelor's Degree: -Medical Case Manager -Nurse Consultant -Registered Nurse -Research Nurse
	10	ELA 10	Geometry	NGSS Aligned Science 10	American Government			
	11	ELA 11	Algebra II	Biology* or AP Biology	World History or Economics			
	12	Transitional English or DC ENG 101/102*	TM Quantitative Literacy & Statistics or DC Gen Ed Math*	Anatomy & Physiology* or Chemistry*	Psychology* or AP Psychology			
Courses with a double asterisk () indicate courses that might have already been met with an appropriate dual credit agreement**								
Postsecondary	13	English Composition**	Gen Ed Math or General Statistics	Biology** or Microbiology	Psychology** or Human Growth & Development	All programs of study should meet learners’ career goals with regards to required degrees, licenses, certifications or journey worker status. Participations in appropriate student organizations are also important for developing appropriate skills and competencies.	Continue required courses in learners’ chosen area of specialization to complete the desired certification and/or credential.	Occupations Requiring an Advanced Degree: -Clinical Nurse Educator -Clinical Nurse Specialist -Director of Nursing -Family Nurse Practitioner -Nurse Anesthetist -Nurse Midwife -Psychiatric Nurse Practitioner -Public Health Nurse
	14	Speech or Oral Communication	Statistics or Calculus	Chemistry	Sociology			
	15	Continue courses in learners’ chosen area of specialization						
	16							

Model 2 - NURSING PROGRAM OF STUDY MATRIX: MIDDLE -HIGH SCHOOL-POSTSECONDARY (FULL SEQUENCE)

This Career Program of Study can serve as a guide, along with other career planning materials, as learners continue along a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The program of study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements. Additional career exploration opportunities should also be offered at upper elementary grade levels to promote higher engagement and learner focus in subsequent years.

	Grade	English	Math	Science	Social Studies	Required Courses, Electives, and Learner Activities	Career and Technical Courses	Sample Occupations
Student Success Plans outlining career goals should be utilized through the advisement process.								Occupations Requiring on-the-job training or Industry-Recognized Credential -Certified Nursing Assistant -Geriatric Aide -Home Health Aide -Hospice Aide -Nurse Aide -Patient Care Technician
Middle	7	ELA 7	Math 7	Science 7	Social Studies 7		•Career Exploration	
	8	ELA 8	Math 8	Science 8	Social Studies 8		•Employability Skills	
Courses with an asterisk () indicate the potential for exploring credit transfer opportunities with local community colleges*								
Secondary	9	ELA 9	Algebra I	NGSS Aligned Science 9	United States History	All programs of study should meet local and state high school graduation requirements and college entrance requirements. Participations in a CTSO are also important for developing appropriate skills and competencies.	Orientation to Health Occupations*	Occupations Requiring an Associate's Degree: -Licensed Practical Nurse -Critical Care Technician -Clinical Operations Coordinator
	10	ELA 10	Geometry	NGSS Aligned Science 10	American Government		Health Occupations Introductory Skills	
	11	ELA 11	Algebra II	Biology* or AP Biology	World History or Economics		Medical Terminology* Anatomy & Physiology for Health Sciences*	
	12	Transitional English or DC ENG 101/102*	TM Quantitative Literacy & Statistics or DC Gen Ed Math*	Anatomy & Physiology* or Chemistry*	Psychology* or AP Psychology		Introduction to Pathophysiology and Pharmacology	
Courses with a double asterisk () indicate courses that might have already been met with an appropriate dual credit agreement**								
Postsecondary	13	English Composition**	Gen Ed Math or General Statistics	Biology** or Microbiology	Psychology** or Human Growth & Development	All programs of study should meet learners' career goals with regards to required degrees, licenses, certifications or journey worker status. Participations in appropriate student organizations are also important for developing appropriate skills and competencies.	Continue required courses in learners' chosen area of specialization to complete the desired certification and/or credential.	Occupations Requiring a Bachelor's Degree: -Medical Case Manager -Nurse Consultant -Registered Nurse -Research Nurse
	14	Speech or Oral Communication	Statistics or Calculus	Chemistry	Sociology			
	15	Continue courses in learners' chosen area of specialization						
	16							

CTE Course Codes, Titles, Definitions

State Codes	Course Title	Course Definitions
	Orientation to Health Occupations	The course should expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, vision and dental care, administrative services, and lab technology), which should include classroom and community-based activities. The main purpose of this course is to assist students in further development of their self -concept and in matching personal abilities and interest to a tentative career choice. The suggested course content should provide in-depth information into health occupations careers and trends, the occupational and educational opportunities, and the educational, physical, emotional, and attitudinal requirements
	Health Occupations Introductory Skills	This course provides students with a core of knowledge of the health care industry and helps refine their health care -related knowledge and competencies/skills. Students will develop cognitive and effective skills and formulate a strong foundation for introductory skill development. Competencies taught usually include (but are not limited to) medical terminology; health care industry and culture; health care delivery practices; health care industry ethics; health professions licensure; emergency response; health care confidentiality; health care personnel and roles; health care sanitation; and health care rules and regulations as defined in the Illinois Recommended Technical and Essential Employability Competencies for College and Career Pathway Endorsements.
	Medical Terminology	Medical Terminology courses students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.
	Anatomy & Physiology for Health Sciences	Anatomy & Physiology for Health Sciences courses integrate microbiology, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Students investigate how to prevent, diagnose, and treat disease and various health conditions. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care.
	Introduction to Pathophysiology and Pharmacology	Introduction to Pathophysiology and Pharmacology courses present the concepts of homeostasis and disease processes. Course topics and experiences enable students to relate how the human body 's homeostasis is impacted by both disease and chemical substances, especially by the actions of drugs and other substances commonly used to treat diseases. Pathophysiology emphasizes various human body system disorders and the mechanisms of disease, including (but not limited to) fluid, electrolyte, and acid-base imbalances; pain; inflammation and healing; infection; and immunity. Pharmacology topics typically include (but are not limited to) the science of medication actions, sources, chemical properties, classification, uses, therapeutic effect, side-effects, adverse effects, and routes of administration. Hands-on activities, projects, and real-world problems are encouraged to attain complete comprehension.
	Nursing Assistant	The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients/clients and their environment; special feeding techniques; psychological support and, in long -term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure and policies; medical and professional ethics; and care of various kinds of patients. In order to have an approved nurse assistant program (one in which the students are eligible to sit for the certifying exam), the program must be approved by the Illinois Department of Public Health and meet all applicable requirements contained in 77 Illinois Administrative Code Part 395.
	Therapeutic Services Workplace Experience	This course provides students with work experience in fields related to therapeutic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Additional Learning Opportunities Continuum

Early Career Opportunities Learning about work	Credit Transfer & WBL Opportunities	Industry Recognized Credentials	Student Organization
<input type="checkbox"/> Career Planning	<input type="checkbox"/> Dual Enrollment / Dual Credit	<input type="checkbox"/> Certification / License	<input type="checkbox"/> Business Professionals of America (BPA)
<input type="checkbox"/> Career Fairs	<input type="checkbox"/> Advanced Placement	<input type="checkbox"/> Certification / License	<input type="checkbox"/> Future Business Leaders of America (FBLA)
<input type="checkbox"/> Industry Speakers	<input type="checkbox"/> Articulated Credit	<input type="checkbox"/> Other	<input type="checkbox"/> Family, Career and Community Leaders of America
<input type="checkbox"/> Informational Interviews	<input type="checkbox"/> Pre-Apprenticeship		<input type="checkbox"/> Future Farmers of America - Illinois (FFA)
<input type="checkbox"/> Career Presentations	<input type="checkbox"/> Clinical Experiences		<input type="checkbox"/> Illinois DECA
<input type="checkbox"/> Worksite Tours	<input type="checkbox"/> Project-based Learning		<input type="checkbox"/> Future Health Professionals (HOSA)
<input type="checkbox"/> Cooperative Education	<input type="checkbox"/> Other		<input type="checkbox"/> Skills USA Illinois
<input type="checkbox"/> Internships			<input type="checkbox"/> Technology Student Association (TSA)
<input type="checkbox"/> Job Shadow			<input type="checkbox"/> Other
<input type="checkbox"/> Other			List Other:

Feeder Middle School(s):	
College/Universities and Articulated Credit Agreements:	
LEA Additional Graduation Requirements	