

MUNCIE CENTRAL EARLY COLLEGE with HIGH SCHOOL DIPLOMA

Projected 4-year path for an Associate of Arts in Liberal Arts

2015-16

	High School Course	Early College Course
English	English 9	-----
Math	Algebra I or Geometry	-----
Science	Biology I	-----
World Language	Spanish I or French I	-----
	First Year Seminar	IVY Prep and IVYT101*
	Personal Finance & Computer Applications	IVYT 105 & CINS 101*
	Physical Education I	

2016-17

	High School Course	Early College Course
English	English 10	-----
Math	Geometry or Algebra II	-----
Social Studies	World History	-----
Science	Chemistry I ^a or Earth Space Science I	CHEM 101 ^a
World Language	Spanish II or French II	-----
	Elective	-----
	Physical Education II and Health	FITN 100

2017-18

	High School Course	Early College Course
English	EC-AP English Language & Composition or EC English 11	ENGL 111
Math	Algebra II or Pre-Calculus/Trigonometry ^b	Math 136 & Math 137 ^b
Social Studies	U.S. History	HIST 101 & HIST 102
Science	Biology II	BIOL 101
World Language	Spanish III or French III	SPAN 101/102 or FREN 101/102
	Psychology & Fine Arts	PSYC 101
	elective	-----

Summer Experience (Optional; students may take a course on Ivy Tech's Campus)

2018-19

	High School Course	Early College Course
English	EC-AP English Literature & Composition or EC English 12	ENGL 112
Math	Pre-Calculus/Trigonometry ^b or Calculus ^c	Math 136 & Math 137 ^b or MATH 211 ^c
Social Studies	U.S. Government & Economics	POLS 101 & ECON 201
Science	Elective	
World Language	Spanish IV or French IV	SPAN 201/202 or FREN 201/202
	Philosophy & Liberal Arts Capstone	PHIL 102 & LIBA 279
	Elective or Speech ^c	COMM 101 ^c

- Notes:**
- Options for PE will be available for students who are in band, choir, art, Project Lead the Way, MACC or other programs.
 - Students who test college ready in Reading, Writing and Math before the first day of registration, will have an elective available.
 - *Sophomore's entering Early College will need to make up these courses

IVY TECH COURSE DESCRIPTIONS

BIOL 101 Introductory Biology (3 college credits)

Introduces the basic concepts of life. Includes discussion of cellular and organismal biology, genetics, evolution, ecology, and interaction among all living organisms. Addresses applications of biology to society. (Student needs qualifying scores in reading, writing, and math.)

CHEM 101 Introductory Chemistry I (3 college credits)

An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases. (Student needs qualifying scores in reading, writing, and math.)

CINS 101 Introduction to Microcomputers (3 college credits)

Introduces the physical components and operation of microcomputers. Focuses on computer literacy and provides hands-on training in four areas of microcomputer application software: word processing, electronic spreadsheets, database management and presentation software. Use of a professional business integrated applications package is emphasized. (Student needs a qualifying score in reading and writing.)

COMM 101 Fundamentals of Public Speaking (3 college credits)

Introduces fundamental concepts and skills for effective public speaking, including audience analysis, outlining, research, delivery, critical listening and evaluation, presentational aids, and use of appropriate technology. (Student needs qualifying scores in reading & writing.)

ECON 201 Principles of Macroeconomics (3 college credits)

A descriptive and analytical study of fundamental concepts of national economics. It includes an analysis of the determination and fluctuations in national income and employment, monetary and fiscal policy, and international trade and finance. Economic analysis of monetary and fiscal policies is stressed. (Student needs to have completed ENGL 111 and a qualifying score in math.)

ENGL111 English Composition (3 college credits)

English Composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research, and critical thinking. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. A research paper is required. Numerous in-class writing activities are required in addition to extended essays written outside of class. (Student needs qualifying scores reading and writing.)

ENGL 112 Exposition and Persuasion (3 college credits)

Builds on the writing skills taught in ENGL 111 and emphasizes research-based analytic and argumentative writing. (Student needs a "C" or better in ENGL 111.)

ENGL 206 Introduction to Literature (3 college credits)

Prerequisites: ENGL 111. Development of basic strategies for critically reading and interpreting poetry, fiction, and drama; introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments.

FITN 100 Lifetime Fitness and Wellness (2 college credits)

Educates students about the importance of fitness/wellness in their everyday lives. Students will have the opportunity to customize their own behavioral plans for fitness/wellness.

FREN 101 French Level I (4 college credits)

An introductory course in French. Introduces the French language and Francophone culture through communicative activities intended to develop oral communication skills and listening comprehension skills. Emphasis is placed on learning basic grammar and vocabulary necessary for successful communication while laying a foundation for further study. (Student needs qualifying scores in reading and writing.)

FREN 102 French Level II (4 college credits)

Continues the study of French for students who have had the equivalent of one semester of college-level French. Introduces additional grammatical structures and vocabulary to further develop listening, speaking, reading, and writing skills as well as an appreciation of the cultures of the Francophone world. (Student needs to have completed FREN 101.)

FREN 201 French Level III (3 college credits)

French is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an intermediate level. The course continues the study of grammar/syntax and vocabulary building and introduces French civilization through conversation coordinated with the reading of cultural and literary texts as well as written and oral reports. (Student needs to have completed FREN 102.)

FREN 202 French Level IV (3 college credits)

French is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an advanced intermediate level. The course continues the study of grammar/syntax and vocabulary building and continues the study of French and Francophone civilizations through readings, both journalistic and literary, and reinforced through class discussions as well as written and oral reports. (Student needs to have completed FREN 201.)

HIST 101 Survey of American History I (3 college credits)

Covers major themes and events in American history from domestic and global standpoints, including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War. (Student needs qualifying scores in reading and writing.)

HIST 102 Survey of American History II (3 college credits)

Covers major themes including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity. (Student needs qualifying scores in reading and writing.)

Ivy Prep

Students will be assigned an Ivy Prep Coach and will use online and in-person resources to improve reading, writing and math skills. The Ivy Prep Coach will work with students to determine where assistance is needed, in which areas of study and will monitor progress until students are program ready in reading, writing and math.

IVYT 101 First Year Seminar (1 college credit)

Prerequisites: None. Provides students with an overview of skills and strategies necessary to reach their educational, career, and life objectives. Topics include time management, study skills, learning styles, campus and community resources, critical thinking, utilization of technology, career skills, and diversity in society.

IVYT 105 Managing Personal Finances (1 college credit)

An overview of how to manage personal finances. The course includes information in the areas of personal finances, loans, credit, and investing.

LIBA 279 Liberal Arts Capstone Course (1 college credit)

Provides a culminating experience designed to demonstrate the student's mastery of information literacy; ethical and responsible behavior; political, social and environmental responsibility; and diversity awareness, both in general and in the student's area of interest. May require a research project, presentation, and/or portfolio. Requires students to complete two sections of a college-approved standardized assessment of proficiency in math, writing, scientific inquiry, and/or critical thinking. Requires successful completion of 40 program hours and Program Advisor approval.

MATH 136 College Algebra (3 college credits)

Presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. MATH 136 and MATH 137 together comprise a standard two-semester college algebra and trigonometry course. (Student needs a qualifying score in math.)

MATH 137 Trigonometry with Analytic Geometry (3 college credits)

Presents an in-depth study of right triangle trigonometry, oblique triangles, vectors, graphs of trigonometric functions, trigonometric identities and equations and complex numbers in rectangular and polar/trigonometric forms, rectangular and polar coordinates and conics. (Student needs a qualifying score in math.)

MATH 211: Calculus I (4 college credits)

Reviews the concepts of exponential, logarithmic and inverse functions. Studies in depth the fundamental concepts and operations of calculus including limits, continuity, differentiation including implicit and logarithmic differentiation. Applies differential calculus to solve problems in the natural and social sciences, to solve estimation problems and to solve optimization problems. Applies differential calculus to sketch curves and to identify local and global extrema, inflection points, increasing/decreasing behavior, concavity, behavior at infinity, horizontal and vertical tangents and asymptotes, and slant asymptotes. Applies the concept of Riemann sums and antiderivatives to find Riemann integrals. Applies the fundamental theorem of calculus to solve initial value problems, and to find areas and volumes and the average values of a function. (Students need credit in Math 136 and 137)

PHIL 102 Introduction to Ethics (3 college credits)

Introduces the student to the ethical domain as a field of philosophy by examining major concepts such as happiness, virtues and rules and applies them to practical moral problems. (Student needs qualifying scores in reading and writing.)

POLS 101 Introduction to American Government and Politics (3 college credits)

Studies federalism, theories of the origins and purposes of government and other aspects of the American government including interest groups, political parties, and the electoral process. Emphasis is placed on constitutional backgrounds and the organization and functions of the executive, legislative, and judicial segments of the national government, civil liberties and civil rights, public opinion, media, bureaucracies, and domestic and foreign policy. (Student needs qualifying scores in reading and writing.)

PSYC 101 Introduction to Psychology (3 college credits)

Surveys behavior and cognitive processes as they affect the individual. The course focuses on biological foundations, learning processes, research methodologies, personality, human development and abnormal and social psychology. (Student needs qualifying scores in reading, writing and math.)

SPAN 101 Spanish Level I (4 college credits)

An introductory course in Spanish. Focuses on developing students' capacity to use the language and to appreciate Spanish-speaking cultures. Emphasis is placed on skills of listening, speaking, reading, writing, and grammar acquisition. (Student needs qualifying scores in reading and writing.)

SPAN 102 Spanish Level II (4 college credits)

Continues the study of Spanish for students who have had the equivalent of one semester of college-level Spanish. Introduces additional grammatical structures and vocabulary to further develop speaking, reading, writing and listening skills as well as an appreciation of the cultures of the Spanish-speaking world. (Student needs to have completed SPAN101.)

SPAN 201 Spanish Level III (3 college credits)

Spanish is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an intermediate level. The course continues the study of grammar/syntax and vocabulary building and introduces Spanish and Latin American civilization through conversation coordinated with the reading of cultural and literary texts as well as written and oral reports. (Student needs to have completed SPAN 102.)

SPAN 202 Spanish Level IV (3 college credits)

Spanish is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an advanced intermediate level. The course continues study of grammar/syntax and vocabulary building and continues the study of Spanish and Latin American civilizations through readings, both journalistic and literary, and reinforced through discussions as well as written and oral reports. (Student needs to have completed SPAN 201.)

GRADUATION REQUIREMENTS

A High School Diploma is a certificate of graduation issued by the governing body of a school corporation certifying that the student has satisfied the minimum requirements for graduation from a high school of the corporation. Early College students may graduate with a Core 40 Diploma, Core 40 with Honors or Core 40 with Technical Honors. **Core 40** is a high school curriculum that helps prepare students for college. It includes a series of academically challenging courses in English, mathematics, science, and social studies. A student also must complete directed electives selected from foreign language, art, computer technology, or a career area. Credit is awarded for appropriate achievement in a course for a semester in grades 9-12. The **Core 40 with Academic Honors** has the traditional Core 40 requirements as the base, with rigorous requirements above and beyond those required for the traditional Core 40 diploma. **Core 40 with Technical Honors** has the traditional Core 40 requirements as the base, with rigorous requirements in technical achievement above and beyond those required for the traditional Core 40 diploma.

To graduate with an Ivy Tech Community College degree or certificate, the student must:

1. Earn a High School Diploma.
2. Attain a minimum grade point average of 2.00 in the required technical and general education courses;
3. Successfully complete the required number of credits, with at least 15 of the total credits taken as a regular student of Ivy Tech, and not through test-out or other means of advanced placement.
4. Satisfy all financial obligations due the College (Muncie Central Early College students are not charged tuition for any courses taught within the Muncie Central Early College program); and
5. Satisfy program accreditation standards that may have additional requirements.

Each student entering the final semester prior to graduation must complete an Application for Graduation. This will be completed at the high school with the help of the Early College Coordinator.

IVY TECH COMMUNITY COLLEGE'S ASSOCIATE OF ARTS IN LIBERAL ARTS

Ivy Tech's Liberal Arts program provides you with an associate of arts degree so you can transfer to a four-year college or university. You'll receive broad exposure to a traditional Liberal Arts course of study, including art, English, literature, psychology, philosophy, music, sociology, history, social sciences, and laboratory sciences. Although most students use this degree as the foundation of a bachelor's degree, you can also start a career in select fields. This degree requires 60 credits.

IVY TECH COMMUNITY COLLEGE'S GENERAL EDUCATION TRANSFER CERTIFICATE

Ivy Tech Community College's General Education Transfer Certificate is incorporated into all transfer curriculums unless program accreditation requirements dictate a different selection of courses. The certificate is designed to prepare students for successful transfer to the baccalaureate-degree granting institution of their choice. Students who complete the TGEC requirements will have met the requirements for the Transfer General Education Certificate and will have this noted on their transcript.

The Early College plan includes these courses as an option for students who chose to complete one year of college rather than the full Associate of Arts degree.

IVY TECH COMMUNITY COLLEGE'S ASSOCIATE OF ARTS IN LIBERAL ARTS

Written Communication ENGL 111 English Composition* ENGL 112 Exposition and Persuasion*	6 credits
Speaking and Listening COMM 101 Fundamentals of Public Speaking*	3 credits
Quantitative Reasoning MATH 136 College Algebra* MATH 137 Trig with Analytic Geometry* MATH 211: Calculus I	10 credits
Scientific Ways of Knowing BIOL 101 Introductory Biology* CHEM 101 Introductory Chemistry I*	7 credits
Social and Behavioral Ways of Knowing ECON 201 Principles of Economics* HIST 101 Survey of American History I* HIST 102 Survey of American History II* POLS 101 Introduction to American Government and Politics* PSYC 101 Introduction to Psychology*	15 credits
Student Success Elective IVYT 101 First Year Seminar	1 credit
Transfer Cluster Elective IVYT 105 Managing Personal Finances CINS 101 Introduction to Microcomputers* FITN 100 Lifetime Fitness and Wellness	7 credits
Foreign Language Elective SPAN 101 Spanish Level I* SPAN 102 Spanish Level II* SPAN 201 Spanish Level III* SPAN 202 Spanish Level IV* FREN 101 French Level I* FREN 102 French Level II* FREN 201 French Level III* FREN 202 French Level IV*	14 credits
Liberal Arts Capstone Course LIBA 279 Liberal Arts Capstone Course	1 credit
Humanistic and Artistic Ways of Knowing PHIL 102 Introduction to Ethics*	3 credits
TOTAL	61 credits

IVY TECH COMMUNITY COLLEGE'S GENERAL EDUCATION TRANSFER CERTIFICATE

2017-18

	High School Course	Early College Course
English	EC-AP English Lang & Comp or EC English 11	ENGL 111
Math	Algebra II or Pre-Calculus/Trigonometry ^b	Math 136 & Math 137 ^b
Social Studies	U.S. History	HIST 101 & HIST 102
Science	Biology II	BIOL 101
World Language	Elective or World Language	-----
	Psychology & Fine Arts	PSYC 101
	elective	-----

Summer Experience (Optional; students may take a course on Ivy Tech's Campus)

2018-19

	High School Course	Early College Course
English	English 12 or Intro to Literature	ENG 112 or ENG 206
Math	Pre-Calculus/Trigonometry ^b or Calculus ^c	Math 136 & Math 137 ^b or MATH 211 ^c
Social Studies	U.S. Government & Economics	POLS 101 & ECON 201
Science	Elective	-----
World Language	Elective or World Language	-----
	Philosophy and Elective	PHIL 102
	Elective or Speech ^d	COMM 101 ^d

Written Communication ENGL 111 English Composition*	Need 3 credits
Speaking and Listening COMM 101 Fundamentals of Public Speaking*	Need 3 credits
Quantitative Reasoning MATH 136 College Algebra* MATH 137 Trig with Analytic Geometry* MATH 211: Calculus I	Need 6-10 credits
Scientific Ways of Knowing BIOL 101 Introductory Biology* CHEM 101 Introductory Chemistry I*	Need 3-7 credits
Social and Behavioral Ways of Knowing ECON 201 Principles of Economics* HIST 101 Survey of American History I* HIST 102 Survey of American History II* POLS 101 Introduction to American Government and Politics* PSYC 101 Introduction to Psychology*	Need 3-9 credits
Humanistic and Artistic Ways of Knowing ENGL 206 Introduction to Literature* PHIL 102 Introduction to Philosophy FREN 101 – FREN 202 French Level I - IV* SPAN 101 – SPAN 202 Spanish Level I – IV*	Need 3-9 credits
TOTAL	30 Credits

*CTL Courses