

Indiana State Approved
APPLIED
Course Titles and Descriptions
2018-2019 School Year

High School

Indiana Department of Education
2018-2019 Edition

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State Approved *Applied* Courses for the Certificate of Completion

The 2018-19 edition of the Indiana Department of Education's State Approved *Applied* Course Titles and Descriptions are course titles and descriptions that have been approved for schools to use during the 2017-2018 school year for students taking a course for an applied unit.

Course descriptions provide brief statements of the content of high school courses. These descriptions are intended to assist schools in communicating, in a broad context, the course content and standards.

Code numbers and titles listed for each course description must be used when reporting courses on Indiana Department of Education documents.

Applied Courses and the Certificate of Completion

Background:

The new Certificate of Completion Course of Study provides a framework for providing a free appropriate public education to students who have been taken off of a diploma path. It allows increased access to the general education curriculum and it also guides schools in developing appropriate applied classes based on alternate achievement standards.

The Dear Colleague letter on the provision of a Free and Appropriate Public Education and the passage of the Every Student Succeeds Act (ESSA) at the federal level, emphasize the requirement for challenging academic content standards to apply to EACH AND EVERY public school student. Students who are not on diploma track still have the right to learn academic content.

Many students with disabilities who have had appropriate academic and vocational instruction and leave high school without a diploma are capable and willing to work; however the existing Certificate of Completion is not recognized as a meaningful document by the employment community. There is now an emphasis on employability skills and the development of a transition portfolio to better showcase what students will be able to do in postsecondary employment settings after obtaining a Certificate of Completion.

Guidance:

On December 6, 2017, the State Board of Education approved general and applied courses for the 2018-19 school year. The approved *Applied* course descriptions are included in this document. During the student's annual case review in grade 8, the case conference committee shall discuss diploma types, course requirements and employment options and include on the student's individualized education program (IEP) the type of diploma the student will seek. If the student is placed on a non-diploma track and wishes to pursue a Certificate of Completion, new guidelines have been set, effective with students entering high school as 9th graders during the 2018-19 school year.

New Certificate of Completion (CoC) information and guidance can be found [here](#). This includes the CoC Course of Study, which aligns closely with the General Diploma requirements summary, as well as a presentation and Coffee Talk with an introduction and summary of these changes.

Students on CoC track will be scheduled into general education courses and will receive modifications based on their needs and as indicated in their IEP. If course standards are modified, the student would be taking the course for an applied unit. High School credit may be earned if the course is not modified in any way. Students on a CoC track could have all applied units or a combination of applied units and credits on their transcript.

Applied Courses:

Approximately 60 *Applied* courses have been identified and thus have a corresponding course description and content connectors. These applied courses are available here, in addition to the full list of state approved course descriptions posted [here](#). While students may take any general education course for an applied unit, the list of identified *Applied* courses are those with corresponding modified descriptions and content connectors. Additional courses may be added next school year depending on needs identified in the field.

When documenting these courses on the transcript, the state course code and title should match that of the general education course. Although not required, it is *recommended* that the local course title included 'Applied' and the local course number include an A following the state approved number. For state reporting purposes only the state approved four-digit code and appropriate state approved title can be reported. Those students taking the course(s) for an applied unit will be identified on the DOE-CC (Course Completion) collection (similar to how reporting is done for students earning dual credit).

Finally, it is important to note that students who receive a Certificate of Completion will not be counted as diploma recipients on the Graduate Report or for accountability purposes.

For additional information, see the Certificate of Completion Resources webpage (DOE) at <https://www.doe.in.gov/student-services/student-assistance/coc>.

Applied Course Titles and Descriptions

The Certificate of Completion course of study must be followed (effective for the freshman cohort starting in school year 2018/2019) for students with an IEP who are not pursuing a diploma track. The Certificate of Completion provides increased access to the general education curriculum by providing flexibility in earning either credits or applied units in general education and/or special education classes. The Certificate of Completion can be earned through any combination of applied units and credits.

CTE: Business, Marketing, Information Technology, and Entrepreneurship

APPLIED BUSINESS MATH

4512

(BUS MATH)

4512A (Recommended local course code)

Applied Business Math is a course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of application of money management skills, navigating industry specific technology and apps, establishing and managing budgets, and maintaining inventory for products and other necessary skills that provides the foundation for students interested in careers in business related fields and everyday life. The content includes basic mathematical operations related to accounting, banking and finance, marketing, management, and retail. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences.

- Recommended Grade Level: 10, 11, 12
- Applied Units: 4 units maximum
- Counts as an Elective for the Certificate of Completion
- Fulfills a Mathematics requirement for the Certificate of Completion
- Qualifies as an applied math course for the Certificate of Completion

APPLIED DIGITAL APPLICATIONS AND RESPONSIBILITY

4528

(DIG APPS RESP)

4528A (Recommended local course code)

Applied Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software and may use highly specialized or individualized technology or software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

- Recommended Grade Level: 11, 12
- Units: 4 units maximum
- Counts as an Elective or Employability requirement for the Certificate of Completion

APPLIED INTERACTIVE MEDIA

5232

(INT MEDIA)

5232A (Recommended local course code)

Applied Interactive Media prepares students for careers in business and industry working with interactive media products and services; which includes the entertainment industries. This course emphasizes the development and use of digitally generated or computer-enhanced products. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the “virtual workplace”.

- Recommended Grade Level: 11,12
- Applied Units: 12 units maximum
- Counts as an Elective or Employability requirement for the Certificate of Completion

APPLIED PERSONAL FINANCIAL RESPONSIBILITY

4540

(PRS FIN RSP)

4540A (Recommended local course code)

Applied Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build and apply skills in financial literacy and responsible decision making. Content includes analyzing personal standards, needs, wants, and goals; identify sources of income, and navigating technology for money management. A project based approach and applications through authentic settings such as work based observations, service learning experiences and community based instruction are appropriate. Direct, concrete applications of basic mathematics proficiencies in projects are encouraged.

- Recommended Grade Level: 9,10,11,12
- Applied Units: 2 units maximum
- Counts as an Elective for the Certificate of Completion

APPLIED PREPARING FOR COLLEGE AND CAREERS

5934

(PREP CC)

5394A (Recommended local course code)

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

- Recommended Grade Level: 9-12
- Applied Units: 2 units maximum
- Counts as an Elective or Employability for the Certificate of Completion

CTE: Family and Consumer Sciences

APPLIED ADULT ROLES AND RESPONSIBILITIES

5330

(ADULTROLES)

5330A (Recommended local course code)

Applied Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment for students with interest in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. A project or community based approach that utilizes problem solving skills, communication, leadership, self-determination skills, management processes, and fundamentals to college, career and community membership success. Service learning and other authentic applications are strongly recommended.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective or Employability Requirement for the Certificate of Completion

APPLIED CONSUMER ECONOMICS

5334

(CONS ECON)

5334A (Recommended local course code)

Applied Consumer Economics enables students to apply economic principles to their individual, family, workplace, and community lives. A project-based approach that utilizes higher order thinking, communication, leadership, self-determination and management processes is recommended to strengthen the understanding and application of consumer economics issues. The course focuses on interrelationships among economic principles and individual and family roles of exchanger, consumer, producer, saver, investor, and citizen. Economic principles to be studied include scarcity, supply and demand, market structure, the role of government, money and the role of financial institutions, labor productivity, economic stabilization, and trade.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 1 unit maximum
- Counts as an Employability or Social Studies requirement for the Certificate of Completion

APPLIED HUMAN DEVELOPMENT

5366

(HUMAN DEV)

5366A (Recommended local course code)

Applied Human Development and Wellness is valuable for all students as a life foundation and academic enrichment. Course content includes individuals' physical, social, emotional, and moral development and wellness across the lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services

related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change; stress; abuse; personal safety; and relationships among lifestyle choices, health and wellness conditions, and diseases. A project or community based approach that utilizes problem solving skills, communication, leadership, self-determination skills, and management processes is recommended in order to apply and generalize these skills in authentic settings.

- Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement or Elective for the Certificate of Completion

APPLIED INTERPERSONAL RELATIONSHIPS

5364

(INTRP RLT)

5364A (Recommended local course code)

Applied Interpersonal Relationships is an introductory course that is relevant for students interested in careers that involve interacting with people and for everyday life relationships. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, self-determination, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project or community based approach is recommended in order to apply these topics of interpersonal relationships. This course provides a foundation for all careers and everyday life relationships that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, the general public, family and friends.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement or Elective for the Certificate of Completion

APPLIED NUTRITION AND WELLNESS

5342

(NTRN WLNS)

5342A (Recommended local course code)

Applied Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher order thinking, communication, leadership, self-determination, and management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement or Elective for the Certificate of Completion

APPLIED PERSONAL FINANCIAL RESPONSIBILITY

4540

(*PRSFINRSP*)

4540A (Recommended local course code)

Applied Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build and apply skills in financial literacy and responsible decision making. Content includes analyzing personal standards, needs, wants, and goals; identify sources of income, and navigating technology for money management. A project based approach and applications through authentic settings such as work based observations, service learning experiences and community based instruction are appropriate. Direct, concrete applications of basic mathematics proficiencies in projects are encouraged.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective for the Certificate of Completion
- Qualifies as applied math course for the Certificate of Completion

APPLIED PREPARING FOR COLLEGE AND CAREERS

5394

(*PREP CC*)

5394A (Recommended local course code)

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in- depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

- Recommended Grade Level: 9,10,11,12
- Applied Units: 2 units maximum
- Counts as an Elective or Employability requirement for the Certificate of Completion

CTE: Work Based Learning

- 5974A Work Based Learning Capstone, Multiple Pathways
- 5975A Work Based Learning Capstone, Advanced Manufacturing and Engineering
- 5260A Work Based Learning Capstone, Business and Marketing
- 5480A Work Based Learning Capstone, Family and Consumer Sciences
- 5207A Work Based Learning capstone, Health Sciences
- 5892A Work Based Learning Capstone, Trade and Industry

Applied Work Based Learning Capstone is an instructional strategy that can be implemented as a stand-alone course or a component of any CTE course that prepares students for college and career. This strategy builds individual students' skills and knowledge within the area of interest. A standards based training plan is developed by the student, teacher, and workplace mentor to guide the student's work based learning experiences and assist in evaluating progress and performance, whether WBL is a stand-alone course or a component of a discipline-specific CTE course.

- Grade Level: 11, 12
- Applied Units: 6 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

APPLIED INTERDISCIPLINARY COOPERATIVE EDUCATION

5902 (ICE)
5902A (Recommended local course code)

Applied Interdisciplinary Cooperative Education (ICE) spans all career and technical education program areas through an interdisciplinary approach to training for employment. Time allocations vary by student needs, interests and goals but include a combination of work-based learning and school-based instruction. Additionally, all state and federal laws and regulations related to student employment and cooperative education must be followed. The following two components must be included as part of the Interdisciplinary Cooperative Education course.

Related Instruction, that is classroom- or site- based, shall be organized and planned around the activities associated with the student's individual job and career objectives; and shall be taught during the same semesters as the student is receiving on-the-job training. Student performance should be monitored to determine progress in (a) general occupational competencies, (b) specific occupational competencies, and (c) specific job competencies.

On-the-Job Training is the actual work experience in an occupation in any one of the Indiana College and Career Pathways that relates directly to the student's career objectives. On-the-job, the student shall have the opportunity to apply the concepts, skills, and attitudes learned during Related Instruction, as well as the skills and knowledge that have been learned in other courses. The student shall be placed on-the-job under the direct supervision of experienced employees who serve as on-the-job trainers/supervisors in accordance with pre- determined training plans and agreements and who assist in evaluating the student's job performance.

Students in a ICE placement must be paid in accordance with federal and state student employment and cooperative education laws.

- Recommended Grade Level: 11, 12

- Applied Units: 6 units maximum
- Counts as an Employability Requirement or Elective for the Certificate of Completion

English/Language Arts

APPLIED DEVELOPMENTAL READING

1120

(DEV READING)

1120A (Recommended local course code)

Applied Developmental Reading is a supplemental course that provides students with individualized, specially designed instruction to support success in completing course work aligned with the Indiana Academic Standards or Content Connectors for English/Language Arts.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as an elective for the Certificate of Completion

APPLIED ENGLISH 9

1002

(ENG 9)

1002A (Recommended local course code)

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 9-10
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

APPLIED ENGLISH 10

1004

(ENG 10)

1004A (Recommended local course code)

Applied English 10 an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 9-10

- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

APPLIED ENGLISH 11

1006

(ENG 11)

1006A (Recommended local course code)

Applied English 11, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade Level: 11-12
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

APPLIED ENGLISH 12

1008

(ENG 12)

1008A (Recommended local course code)

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade Level: 11-12
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

APPLIED SPEECH

1076

(SPEECH)

1076A (Recommended local course code)

Applied Speech, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary

appropriate to the audience and purpose. Students deliver different types of oral and/or multi-media presentations, including student portfolios, viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Student products are aligned to their mode of communication.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an English/Language Arts or Employability Requirement for the Certificate of Completion

APPLIED COMPOSITION

1090

(COMP)

1090A (Recommended local course code)

Applied Composition, a course based on the Indiana Academic Standards or Content Connectors for English/Language Arts, is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style.

- Recommended Grade Level: 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an English/Language Arts Requirement for Elective for the Certificate of Completion

APPLIED LANGUAGE ARTS LAB

1010

(LANG LAB)

1010A (Recommended local course code)

Applied Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support skills and content aligned to Indiana Academic Standards or Content Connectors for English/Language Arts.. All students should be concurrently enrolled in an English course or have met the ELA requirements for the Certificate of Completion.

- Recommend Grade level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts an Elective for the Certificate of Completion

APPLIED TECHNICAL COMMUNICATIONS

1096

(TECH COMM)

1096A (Recommended local course code)

Applied Technical Communication, a course based on the Indiana Academic Standards or Content Connectors for English/Language Arts, is the application of the processes and conventions needed for effective technical writing-communication. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. TECHNICAL WRITING PROJECT: Students complete a project, such as a multi-media presentation, proposal, or portfolio that demonstrates knowledge, application, and writing progress.

- Recommended Grade Level: 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement or Capstone

Health and Wellness

APPLIED ADVANCED HEALTH EDUCATION

3500

3500A (Recommended Local course code)

Applied Advanced Health EDUCATION, an elective course that is aligned to Indiana's Academic Standards for Health & Wellness, provides knowledge and skills to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice applying health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. Advanced Health & Wellness provides students with opportunities to learn and apply personal health and wellness, physical activity, healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco, alcohol, and other drug-free lifestyle; and promoting human development and family health. The scientific components of health and wellness, health issues and concerns, health risk appraisals, individual wellness plans, health promotion and health careers are expanded and explored within the context of the course. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade Level: 11, 12
- Applied Units: 2 units maximum
- Counts as a Health/Wellness requirement for the Certificate of Completion

APPLIED CURRENT HEALTH ISSUES

3508

(CHI)

3508A (local course code)

Applied Current Health Issues, an elective course that can be aligned to Indiana's Academic Standards for Health & Wellness, focuses on specific health issues and/or emerging trends in health and wellness, but not limited to: personal health and wellness; non-communicable and communicable diseases; nutrition; mental and emotional health; tobacco-prevention; alcohol and other drug-prevention; human development and family health; health care and/or medical treatments; and national and/or international health issues. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective or *Health & Wellness* requirement for the Certificate of Completion

APPLIED HEALTH & WELLNESS

3506

(HLTH & WELL)

3506A (Recommended local course code)

Applied Health & Wellness, a course based on Indiana's Academic Standards for Health & Wellness and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco-free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective or Health & Wellness requirement for the Certificate of Completion

Mathematics

APPLIED ALGEBRA I

(ALG I)

2520

2520A (Recommended local course code)

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of 4 strands: Numbers Sense, Expressions and Computation; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as a Math Requirement for the Certificate of Completion

APPLIED ALGEBRA I LAB

(ALG LAB)

2516

2516A (Recommended local course code)

Applied Algebra I Lab is a mathematics support course. Algebra I Lab should be taken while students are concurrently enrolled in a math course or have met the math requirements for the certificate of completion. This course provides students with additional time to build the foundations necessary for high school math courses and work on specific, individualized math skills, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas align with the critical areas of Math: Number Sense, Computation, Data Analysis, Geometry, Measurement and Algebraic Thinking. Algebra I Lab combines standards from high school courses with foundational standards from the middle grades.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as a Mathematics Course or an Elective for the Certificate of Completion
- Applied Algebra I Lab is designed as a support course for Applied Algebra I. As such, a student taking Applied Algebra I Lab must also be enrolled in Algebra I or Applied Algebra I during the same academic year.

APPLIED GEOMETRY

(GEOM)

2532

2532A (Recommended local course code)

Applied Geometry formalizes and extends students' geometric experiences from the middle grades. These critical areas comprise the Geometry course: Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12

- Applied Units: 4 units maximum
- Counts as a Math Requirement for the Certificate of Completion

APPLIED MATHEMATICS LAB

(MATH LAB)

2560

2560A (Recommended local course code)

Applied Mathematics Lab provides students with individualized instruction designed to increase math related competencies and/or mathematics coursework aligned with Indiana's Academic Standards or Content Connectors for Mathematics.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as an Elective for the Certificate of Completion

MULTIDISCIPLINARY

APPLIED BASIC SKILLS DEVELOPMENT

0500

(BASIC SKLS)

0500A (Recommended local course code)

Applied Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills, (9) employability skills, which are essential for high school achievement and post-secondary outcomes. Determination of the skills to be emphasized in this course is based on Indiana's standards and Content Connectors, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations and may be applied using instructional practices related to community based instruction.

- Recommended Grade Level: 11, 12
- Applied Units: 8 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

APPLIED CAREER EXPLORATION INTERNSHIP

0530

(CARR EXP)

0530A (Recommended local course code)

The *Applied Career Exploration Internship* course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interest. Unlike a cooperative education program in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.

- Recommended Grade Level: 11, 12
- Applied Units: 4 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

APPLIED CAREER INFORMATION AND EXPLORATION

0522

(CARR INFO)

0522A (Recommended local course code)

Applied Career Information and Exploration provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Portfolio and resume development experience and career-related assessments may also be provided to students.

- Recommended Grade Level: 9,10,11, 12
- Applied Units: 4 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

APPLIED COMMUNITY SERVICE

0524

(COMM SERV)

0524A (Recommended local course code)

Applied Community Service is a course created by public law IC 20-30-14, allowing juniors and seniors the opportunity to earn up to two high school credits for completion of approved community service projects or volunteer service that “relates to a course in which the student is enrolled or intends to enroll.”

- Recommended Grade Level: 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

APPLIED ENVIRONMENTAL STUDIES

0512

(ENVSTUDIES)

0512A (Recommended local course code)

Applied Environmental Studies provides students opportunities to utilize several disciplines in examining ecosystems from a variety of human viewpoints. This course fosters an awareness of aesthetics in urban and rural areas and the ecological, economic, social and political interdependence of environmental factors. It introduces students to the knowledge, attitudes, commitments, and skills needed to make decisions and to choose personal actions that will contribute to intelligent resource management. This course also provides students with the skills needed to investigate the ecological effects regarding the uses of: (1) energy, (2) water, (3) air, (4) soils, (5) minerals, (6) wildlife, and (7) other natural resources. Field trips and community investigations provide examples of practical applications of resource management. Topics include: (1) identifying and monitoring the disposal of hazardous wastes, (2) acid rain, (3) land- use practices ranging from wilderness areas to areas under multiple- use management, (4) water and solid waste treatment, (5) transportation systems, (6) human population demands on the land, and (7) the impact of these factors on the quality of life and the culture of the area.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Employability Requirement or Elective Certificate of Completion

Physical Education

APPLIED ELECTIVE PHYSICAL EDUCATION

3560

(ELECT PE)

3560A (Recommended local course code)

Applied Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio- respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. With staff support, students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness and includes self monitoring. Ongoing assessment may include individual progress and/or performance-based skill evaluation.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 8 units maximum
- Counts as the Health & Wellness Requirement for the Certificate of Completion

APPLIED PHYSICAL EDUCATION I

3542

(PHYS ED I)

3542A (Recommended local course code)

Applied Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

- Recommended Grade Level; 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as the Health & Wellness requirement for the Certificate of Completion

APPLIED PHYSICAL EDUCATION II

3544

(PHYS ED II)

3544A (local course code)

Applied Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in four of the following areas that were not covered in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics;

gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

- Recommended Grade Level; 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as the Health & Wellness requirement for the Certificate of Completion

Science

APPLIED BIOLOGY I

(BIO I)

3024

3024A (Recommended local course code)

Applied Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as a Science Requirement for the Certificate of Completion

APPLIED EARTH AND SPACE SCIENCE I

(EAS SCI I)

3044

3044A (Recommended local course code)

Applied Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation and experimentation by conducting investigations and evaluating and communicating the results of those investigations. Course may include a variety of learning experiences and tools support the process of investigation, data collection and analysis.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as an Elective or Science Requirement for the Certificate of Completion

APPLIED LIFE SCIENCE

(LIFE SCI)

3030

3030A (Recommended local course code)

Applied Life Science is an introduction to biology course. Students develop problem-solving skills and strategies while performing laboratory and field investigations of fundamental biological concepts and principles. Students explore the functions and processes of cells within all living organisms, general concepts of genetics, and the relationships of living organisms to each other and to the environment as a whole.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective or Science Requirement for the Certificate of Completion

APPLIED PHYSICAL SCIENCE

(PHY SCI)

3102

3102A (Recommended local course code)

Applied Physical Science is a course in which students develop problem solving skills and strategies while performing laboratory and field investigations of fundamental chemical, physical, and related Earth and space science concepts and principles that are related to students' interests and that address everyday problems.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective or Science Requirement for the Certificate of Completion

Social Studies

APPLIED APPLIED ECONOMICS

(APP ECON)

1504

1504A (Recommended local course code)

Applied Applied Economics investigates the specific economic effect of market forces in the economy on business and labor. Special attention is given to economic concepts and principles used by consumers, producers, and voters. Learning experiences, such as projects, field trips, and computer applications, are strongly encouraged as ways to demonstrate practical applications of economic concepts. This course may include design and implementation of school based businesses

- Recommended Grade Level: 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective, -Employability or Social Studies Requirement for the Certificate of Completion

APPLIED CITIZENSHIP AND CIVICS

(CIVICS)

1508

1508A (Recommended local course code)

Applied Citizenship and Civics is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider to be relevant to the most pressing issues of the day. The course provides students experiences that will develop attitudes of citizenship within a democratic society. Topics include: (1) the policymaking process, (2) public participation and policymaking, (3) citizenship rights and responsibilities in a changing society, and (4) the relationship between modern society and government. Study of the local government should be a component of this course.

- Recommended Grade Level: 11, 12
- Applied Units: 2 units maximum
- Counts as an Elective, Employability or Social Studies Requirement for the Certificate of Completion

APPLIED CURRENT PROBLEMS, ISSUES AND EVENTS

(CPIE)

1512

1512A (RECOMMENDED local course code)

Applied Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of problems or issues existing in the class, school, community, state, country or world. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have significance to the student and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included.

- Recommended Grade Level: none

- Applied Units: 2 units maximum
- Counts as an Elective, Employability or Social Studies Requirement for the Certificate of Completion

APPLIED ECONOMICS

1514

(ECON)

1514A (RECOMMENDED local course code)

Applied Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course identifies economic behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade. Students may be offered opportunities to better understand and apply course content through a variety of instructional strategies including project- and community-based instruction and real world experiences.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED GEOGRAPHY AND HISTORY OF THE WORLD

1570

(GEO-HST WLD)

1570A (Recommended local course code)

Applied Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to apply their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety sources, organizing information by creating graphic representations, analyzing information to understand, determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

- Recommended Grade Level: none
- Applied Units: 4 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED INDIANA STUDIES

1518

(IN STUDIES)

1518A (Recommended local course code)

Applied Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. Examination of individual leaders (state or local) and their roles in a democratic society will be included. Student will examine the participation of citizens in the political process to understand their role. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion
- **Must be offered at least once per school year**

APPLIED INTRODUCTION TO SOCIAL SCIENCE

1522 (INTRO SS)

1522A (Recommended local course code)

Applied Introduction to Social Science develops an understanding of the nature of the social sciences and presents reasons for studying them. The course involves consideration of the social sciences such as: (1) the study of humanity; (2) the reasons for separate fields or disciplines; (3) the objectives, materials, and methods of each discipline; and (4) the difficulties encountered by social scientists in applying scientific method to the study of human life. Content may include group and individual behavior, education, social systems, and the role of the social studies.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED MODERN WORLD CIVILIZATION

1528 (MOD WLD CIV)

1528A (Recommended local course code)

Applied Modern World Civilization provides students a look at the twentieth and twenty-first century world. It is a study of different cultures as they exist in the world today, including comparative analysis of the various types of government, economic, and social systems. International relationships are examined partly from the viewpoint of national interests, including the successes and failures of diplomacy.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED STATE AND LOCAL GOVERNMENT

1536 (ST/LOC GOVT)

1536A (RECOMMENDED local course code)

Applied State and Local Government is the study of the function and organization of state, county, city, town, and township government units. This course also traces the role and influence of political and social institutions on a state's political development. The implications of this development for governmental units should be discussed relative to current political and governmental situations. Field trips, observations, and interviews with state and local leaders should be encouraged whenever possible and content may also focus on school or social communities.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED TOPICS IN HISTORY

1538

(TOP HIST)

1538A (Recommended local course code)

Applied Topics In History provides students the opportunity to study specific historical eras, events, or concepts. Application of knowledge and development of historical research skills using primary and secondary sources is included. The course focuses on one or more topics or themes related to United States or world history. Examples of topics might include: (1) twentieth-century conflict, (2) the American West, (3) the history of the United States Constitution, and (4) democracy in history.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

APPLIED TOPICS IN SOCIAL SCIENCE

1550

(TOPICS SS)

1550A (Recommended local course code)

Applied Topics in Social Science provides students with an opportunity for in-depth study of a specific topic, theme, or concept in one of the social science disciplines such as anthropology, archaeology, economics, geography, political science, psychology, or sociology. It is also possible to focus the course on more than one discipline. Courses taught under this title should emphasize application of scientific methods of inquiry and help students develop effective research and thinking skills.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion