



St. Bede Academy

Curriculum Guide

Updated 9/2016

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May the Rule of St. Benedict be our guide.

Graduation Outcomes

Before graduating from St. Bede Academy a student should have demonstrated the ability to:

- accurately receive and interpret information and ideas from a variety of oral, written, and visual sources
- communicate clearly and accurately in oral, written, and visual formats for a variety of purposes and audiences
- formulate opinions and make decisions consistent with gospel values and Catholic moral and social teaching
- demonstrate competency in using the vocabulary and concepts of theology, the arts, humanities, natural and social sciences, and mathematics
- use critical thinking skills to solve practical and theoretical problems from theology, the arts, humanities, natural and social sciences, and mathematics
- conduct accurate, efficient research using both traditional and emerging technological methods
- make efficient, responsible use of computers and other emerging technology for a variety of purposes
- use a language other than English to conduct a conversation that is grammatically and socially correct
- recognize and demonstrate connections between academic knowledge, beliefs, and actions in everyday life
- value and engage in creative expressions through the arts and demonstrate sensitivity to the aesthetic expression of others
- work cooperatively with others
- demonstrate respect for the person, ideas, and belongings of others
- recognize and demonstrate the attitudes and activities necessary to maintain spiritual, mental, and physical health

Characteristics of a St. Bede Graduate

Since 1890 St. Bede Academy has been providing “Catholic education in the Benedictine tradition.” This tradition is based on the *Rule of St. Benedict*, and we have chosen to organize our “Characteristics of a St. Bede Graduate” around excerpts from this text, a set of regulations St. Benedict intended as guidelines for a *school for the Lord’s service*.

Clothed then with faith and the performance of good works, let us set out on this way, with the Gospel for our guide.

Upon graduation St. Bede students will be grounded in an established, firm Christianity, based on knowledge of Scripture, Christian doctrine, and Catholic teaching, history and tradition. They will have been expected to use gospel values to evaluate realistic social, moral, and political situations. St. Bede graduates will be familiar with the principles of Benedictine spirituality and the Benedictine way of life. They will have knowledge of and respect for the beliefs and practices of non-Catholic Christians as well as other religious traditions. They will have had regular opportunity to participate in private and communal prayer and will have been given direction in the development of a personal practice of prayer.

Listen carefully, my child, to the master's instructions, and attend to them with the ear of your heart

St. Bede graduates will have begun to develop a lifelong commitment to learning. They will have been given opportunities to acquire knowledge in a broad range of areas and to perform tasks requiring higher level thinking skills. St. Bede graduates will demonstrate the ability to listen attentively, read critically, write and speak clearly, and think critically. They will have begun to acquire the ability to articulate opinions, engage in reasoned, factually based discussion; and show appropriate respect for the opinions of others.

If we wish to dwell in the tent of this kingdom, we will never arrive unless we run there by doing good deeds.

St. Bede graduates will have been treated with respect and know how to treat others with respect, warmth and hospitality. They will have an awareness of their place in the world community and of their common bonds with all humans. They will have begun to develop an appreciation for cultures other than their own. They will be aware of their responsibility to be pro-active citizens of their community and will have had opportunity to participate in service projects both in and out of the local community. They will have considered the moral implications of economic actions, and will have begun to develop a compassion for all people, particularly the poor.

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Place your hope in God alone. If you notice something good in yourself, give credit to God, not to yourself, but be certain that the evil you commit is always your own and yours to acknowledge.

St. Bede graduates will have been given the opportunity to acquire self-knowledge. They will know their dignity as coming from their creation in the image and likeness of God. They will have determined some of their personal strengths and weaknesses, have developed a sense of self-confidence based on this knowledge, and have begun to develop a personal mission statement. They will have been expected to take personal responsibility for their actions and will have experienced both forgiving and being forgiven. They will have been given opportunity to exercise prudent judgment, apply common sense to a problem, practice humility, and develop a sense of adventure and a sense of humor. They will have begun to acquire a sense of balance in their activities and to develop a lifelong commitment to spiritual, mental and physical fitness.

Your way of acting should be different from the world's way; the love of Christ must come before all else. Never turn away when someone needs your love.

St. Bede graduates will realize that the way of the Christian is not necessarily the way of the popular culture. They will have had an opportunity to experience, appreciate and constructively criticize the social, cultural, political, and economic opportunities available in both their local area and larger urban settings. As part of the school family they will have begun to value family at a variety of levels and to develop a sense of loyalty to the various families or communities of which they are members. They will be aware of their responsibility to be stewards of the earth, showing respect for all living things, and will have had practical opportunities to exercise this stewardship. They will have participated in a variety of activities, both academic and extra-curricular, and will have begun to develop a pride in their achievements, and to value working in communion with others. They will have begun to develop a positive work ethic, regarding work as a way in which they cooperate with God's plan of salvation.

Divine Scripture calls to us saying: Whoever exalts himself shall be humbled, and whoever humbles himself shall be exalted.

St. Bede graduates will have begun to seek true humility: not false modesty or low self-esteem, but seeing oneself as God sees. They will have been expected to defer to the needs and wants of others, to take credit and accept proper blame, to follow instructions without grumbling, and to accept constructive criticism gratefully. They will have developed the ability to work with others, and will be aware that their behavior has effects for good or ill upon other individuals and upon the whole of society. Above all, they will have begun to understand that humility demands an acceptance of their dependent relationship to God.

Let them prefer nothing whatever to Christ and may He bring us all to everlasting life.

Class Load

The school day consists of eight (8) periods. All students must take seven (7) courses per semester.

Graduation Requirements

25.0 credits are required for graduation. The number of credits needed in each subject area is:

Credits	Subject/Course
0.5	Driver Education
0.5 or 1.0	Economics 0.5 credit or Accounting 1.0 credit
4.0	English
1.0	Fine Arts
0.5	Health
3.0	Math (Specifically: Alg I, Geom & Alg II)
0.5	Physical Education
4.0	Religion
2.5	Science
0.5	Civics
2.0	Social Studies (Specifically: U.S. History including the U.S. and IL Constitution Exams, World Hist. or AP European Hist.)
6.0 or 5.5	Electives 6.0 cr. (with Econ.) or 5.5 cr. (with Accounting)
100 hours of Christian Service required for graduation. (see Christian Service Handbook for more detailed information.)	

Grade Point Average, Class Rank

Grade point average in regular classes is computed on the basis of an A = 4 points, B = 3 points, C = 2 points and D = 1 point. In honors classes, an A = 5 points, B = 4 points, C = 3 points and D = 2 points. The grade point average is the total number of points divided by the number of classes the student is taking for that grading period. Class rank is determined by the cumulative grade point average for the number of semesters the student has completed.

Grading Scale

A = 93-100 B = 85-92 C = 77-84 D = 69-76

Course Selection and Academic Level Placement

Students are placed in courses by parent student choice and in academic levels by teacher recommendation. Teacher recommendations are based on grades, previous placement, classroom observation and consultation with other faculty. If the parent/student questions the teacher recommendation, the parents may ask to meet with the Director of Guidance, the teacher making the recommendation and the department head for that area to determine the best course and/or level for the student. If a mutual decision cannot be reached, the parent may contact the Principal who will consider the parent/student's choice, the teacher's recommendation, grades in previous courses, grade point average and previous placement in determining a schedule. The Principal will inform all parties of his/her decision. If the parents disagree with the placement, a meeting with the Superintendent may be arranged, and his decision will be final.

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Course Offerings

Saint Bede Academy offers the following courses:

Academic Achievement

Study Skills

English

English I/II Academic
English I College Prep
English I Honors
English II College Prep
English II Honors
English III College Prep
English III Honors
English IV College Prep
English IV Dual Credit
English IV Honors
Speech College Prep

Foreign Language

Spanish I
Spanish II
Spanish III Honors
Spanish IV Honors
Mandarin Chinese I
Mandarin Chinese II
Mandarin Chinese III Honors
Mandarin Chinese IV Honors

Mathematics

Algebra I College Prep GS (8th Graders)
Algebra I Academic
Algebra I College Prep
Geometry Academic
Geometry College Prep
Geometry Honors
Algebra II College Prep
Algebra II Honors
Pre-Calculus College Prep
Pre-Calculus Honors
Advanced Placement Statistics Honors
Advanced Placement Calculus Honors
Applied Mathematics College Prep

Business/Computer Education

Introduction to Computer Science College Prep
Computer Science Principles College Prep
Accounting College Prep

Fine Arts

Freshman Chorus
Sophomore Chorus
Advanced Chorus
Concert Band
Introduction to Art

Art II

Advanced Art (IVCC Dual Credit available – ART 1000 Art Survey I & ART 1010 Art Survey II)

Physical/Driver's Education/Health

Physical Education I College Prep
Physical Education II College Prep
Health I College Prep
Driver's Education

Religion

Religion I College Prep - The Revelation of Jesus Christ in Scripture/Who Is Jesus Christ?

Religion II College Prep – The Mission of Jesus Christ (Paschal Mystery)/Jesus Christ's Mission Continues in the Church

Religion III College Prep – Life in Jesus Christ/Sacraments as Privileged Encounters with Jesus Christ

Religion IV College Prep - Ecumenical and Interreligious Issues/Responding to the Call of Jesus Christ

Science

Biology I College Prep
Biology I Honors
Chemistry College Prep
Chemistry Honors
Environmental Science College Prep
Physics College Prep
Biology II College Prep
Biology II Honors
Anatomy & Physiology Honors
Advanced Placement Chemistry Honors
Advanced Placement Physics Honors

Social Studies

World History Academic
World History College Prep
World History Honors
United States History College Prep
Advanced Placement United States History Honors
Advanced Placement European History Honors (History of Western Civilization I & II)
Economics College Prep
Economics Honors

IVCC Early Entry College (E²C)

SPH 1001 Fundamentals of Speech	3 credits from IVCC
PSY 1000 General Psychology	3 credits from IVCC
MUS 1000 Music Appreciation	3 credits from IVCC
SOC 1000 Introduction to Sociology	3 credits from IVCC

LA SALLE-PERU AREA CAREER CENTER

(IVCC Credit available for most ACC courses. See appendix 1)

Automotive Technology	Graphic Communications
Building Trades	Health Occupations
Child Care/Early Childhood Education	IL Valley Entrepreneurial Opportunities (IVEO)
Computer Aided Drafting	Machine Technology
Cosmetology	Residential Wiring
Culinary Arts	Welding
Fire Science/EMT Training	

COURSE DESCRIPTIONS**RELIGION****Religion I: The Revelation of Jesus Christ in Scripture, College Prep, 1 semester, 0.5 credit**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally

Religion I: Who Is Jesus Christ? College Prep, 1 semester, 0.5 credit

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

Religion II: The Mission of Jesus Christ (The Paschal Mystery), College Prep, 1 semester, 0.5 credit

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Religion II: Jesus Christ's Mission Continues in the Church, College Prep, 1 semester, 0.5 credit

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn both about events in the life of the Church as well as the sacred nature of the Church. This course includes a unit on the Rule of Saint Benedict.

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Religion III: Life in Jesus Christ, College Prep, 1 semester, 0.5 credit

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples, and learn how to apply them to concrete human situations in the modern world.

Religion III: Sacraments as Privileged Encounters with Jesus Christ, College Prep, 1 semester, 0.5 credit

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

Religion IV: Ecumenical and Interreligious Issues, College Prep, 1 semester, 0.5 credit

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. The course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to prepare to encounter people of other faiths in college and in society and to treat them with respect and understanding without feeling threatened in their own faith convictions.

Religion IV: Responding to the Call of Jesus Christ, College Prep, 1 semester, 0.5 credit

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

OFFICE OF ACADEMIC ACHIEVEMENT

Study Skills, Academic, Full Year, 1.0 credit

This is a course for incoming students whose basic reading or mathematics skills appear to need extra reinforcement. The course teaches the students how to set realistic long and short term goals and how to develop a plan of action that will help them achieve these goals. Students learn what their personal learning style preferences are and how to take notes and study to maximize their strengths and compensate for their weaknesses. The students practice their study skills using material from the other courses, particularly religion, English, science, and mathematics. Students also work to increase their reading and math levels through computer applications and specific reading and question response practice.

ENGLISH

English I, Honors, Full Year, 1.0 credit

This course combines literature, grammar, and composition. The first semester is devoted to developing writing skills with an emphasis on expository and persuasive writing. English grammar and mechanics are integrated into this semester. In the second semester, students read materials from various genres, including short stories, essays, poetry, a Shakespeare play and a novel. Emphasis is on developing the student's ability to read interactively, questioning the text and applying critical thinking skills.

English I, College Prep, Full Year, 1.0 credit

This course combines literature, grammar, and composition. The first semester is devoted to developing writing skills with an emphasis on expository and persuasive writing. English grammar and mechanics are integrated into this semester. In the second semester, students read materials from various genres, including short stories, essays, poetry, and a novel. Emphasis is on developing the student's ability to read interactively, questioning the text and applying critical thinking skills.

English I/II, Academic, Full Year, 1.0 credit

This course utilizes a two-year rotation. Freshman and sophomore students combine to improve reading, written expression, project creation, elements of literature, etc. One year focuses on written expression in the first semester and literature in the second semester. The next year focuses on American literature while integrating written expression development. Students are placed into English I/II based on entrance exam scores and mutual agreement between the parents and St. Bede administration.

English II, Honors, Full Year, 1.0 credit

Students read material, including at least one novel, from various eras of American literature. Students learn to recognize and draw conclusions about the connections between literature, art, music, social movements, and historical events. Students continue to develop critical reading skills. Written assignments stress accurate use of textual material to compare, analyze and evaluate various pieces of literature. At least one oral presentation is required of each student.

English II, College Prep, Full Year, 1.0 credit

Students read material, including at least one novel, from various eras of American literature. Students begin to recognize the connections between literature, art, music, social movements, and historical events. Students continue to develop critical reading and writing skills with an emphasis on reading for themes and ideas and writing clearly and concisely. At least one oral presentation is required of each student.

English III, Honors, Full Year, 1.0 credit

Using materials from various eras of British literature, including a play by Shakespeare and at least two novels, students learn to determine how literature can reflect the society from which it emerges and to identify universal themes in literature. Students also begin to learn to both read and write formal literary criticism. Students write at least one major literary essay.

English III, College Prep, Full Year, 1.0 credit

Using materials from various eras of British literature, including a play by Shakespeare and a novel, students continue to sharpen their critical reading skills. Students continue to develop their abilities to write, concentrating on writing brief essays analyzing, comparing and responding to literature.

English IV, Essay/ Shakespeare, Honors, Full Year, 1.0 credit

Students study the personal essay through reading and writing. Students learn to recognize and evaluate elements of composition in the writing of others and to apply these elements to their own works. A variety of assignments help the students discover a personal style and develop students' abilities to critique their own and others' writing. Students study Shakespeare's life and times and how these influenced the themes he develops in his plays. Students do an in-depth analysis of at least two Shakespearean plays. This includes close reading of the texts, reading critical articles about the texts, planning and presenting a segment of a play, and viewing and critiquing a variety of presentations, including one live performance.

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English IV, World Literature, College Prep, Full Year, 1.0 credit

Using materials in various genres from a variety of cultures, including works by Homer, Dante and Shakespeare, students hone their skills as critical readers and effective writers. Students discuss the role literature plays in reflecting the customs, values and expectations of the society that produced it and look for universal human themes explored in the literature of all cultures. Students are encouraged to use computer technology and are taught how to use the internet as a formal research tool. Students also attend a live performance of the Shakespearean play studied.

English IV, Dual Credit, 1 semester, 0.5 high school credit

ENG 1001-English Composition I, 3.0 credit hours IVCC college credit

(Prerequisite: Appropriate score on English placement exam, or an ACT subscore of 21, or successful completion of ENG 0900 or the individualized lab modules of ENG 0910, ENG 0911, and ENG 0912. In addition, Accuplacer reading exam score of 68 or higher, or ACT reading subscore of 21 or higher, or successful completion of RED 0900 or the individualized lab modules of RED 0910, RED 0911, and RED 0912. IAI: C1 900.)

English Composition I allows the student to study and apply rhetorical principles of writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Students' essays will be based upon their readings of a variety of texts on various topics. The course includes the use of interactive word processing computer software.

English IV, Dual Credit, 1 semester, 0.5 high school credit

ENG 1002-English Composition II, 3.0 credit hours IVCC college credit

(Prerequisite: ENG 1001. IAI: C1 901R)

English Composition II, continues the study and application of rhetorical principles of expository writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Students' essays will be based upon their readings of poetry, drama, and fiction. The library research writing will be developed from the literature. The course includes the use of various computer applications, including word-processing and the Internet.

Speech, College Prep, 1 semester, 0.5 credit

11th or 12th grade students only

In this elective course students gain confidence and skill in public speaking by engaging in a variety of activities, such as impromptu speaking, and formal demonstrative and informative speeches.

MATHEMATICS

Algebra I, College Prep, Full Year, 1.0 credit

(Placement based on entrance exam/elementary school performance. Students with a C or less in 8th grade Algebra class will be placed here.)

This full year course teaches the basic structure and techniques of algebra. Topics included are the use of real numbers to solve linear equations and equalities, exponents and quadratic functions. Students will learn the precise language necessary to the deductive reasoning process. Problem solving will be stressed.

Algebra I, Academic, Full Year, 1.0 credit

(Placement based on entrance exam/elementary school performance.)

This full year course teaches the basic structure and techniques of algebra. Realistic problem solving situations will be stressed. In addition, linear equations, functions and an introduction to quadratic equations will be covered.

Geometry, Honors, Full Year, 1.0 credit

(Prerequisite: B or better in Algebra I and/or recommendation of current math teacher.)

This full year course deals with sets, points, lines, circles, plane, two- and three-dimensional figures. Formal proof, logic, and correlation to algebraic theorems, axioms, and postulates are stressed. The student is given an introduction to trigonometry.

Geometry, College Prep, Full Year, 1.0 credit

(Prerequisite: Algebra I and recommendation of current math teacher.)

This course deals with the same topics as the honors level. (see above) The pace and depth of coverage is different, especially in the area of proof. Trigonometry is also introduced.

Geometry, Academic, Full Year, 1.0 credit

(Placement based on recommendation of current math teacher.)

This course deals with sets, points, lines, circles and solid figures. The course stresses realistic applications of geometry. The pace and depth of coverage are geared to the ability of the students.

Algebra II, Honors, Full Year, 1.0 credit

(Prerequisite: Recommendation of current math teacher. Freshmen who completed Algebra I in elementary school may, at the discretion of the department, enroll in this course.)

This full year course stresses the study of linear, quadratic, exponential, polynomial and complex functions. Also included is the study of analytic geometry. A circular approach is used to introduce trigonometry. A Texas Instruments graphing calculator (BELOW a TI-89: TI-84 silver edition preferred) is required.

Algebra II, College Prep, Full Year, 1.0 credit

(Prerequisite: Recommendation of current math teacher. Freshmen who completed Algebra I in elementary school may, at the discretion of the department, enroll in this course.)

This course reinforces and extends the concepts and skills of Algebra I. Topics covered include: functions, rational expressions, irrational and complex numbers, linear and quadratic equations, and systems of equations. A Texas Instruments graphing calculator (BELOW a TI-89: TI-84 silver edition preferred) is required.

Pre-Calculus, Honors, Full Year, 1.0 credit

(Prerequisite: Algebra I Honors and/or recommendation of current math teacher.)

This course stresses the study of trigonometry, college algebra and analytical geometry along with polynomial equations and logarithmic equations. Complex numbers, combinations and permutations, probability and finite math are also covered. The student will be introduced to sequences, series, and limits. A Texas Instruments graphing calculator (BELOW a TI-89: TI-84 silver edition preferred) is required. This course offers the opportunity to earn five dual credit hours.

Pre-Calculus, College Prep, Full Year, 1.0 credit

(Prerequisite: Algebra II)

This course includes topics from college algebra, trigonometry, and analytical geometry. Also included are polynomial equations, logarithmic and exponential equations, and complex numbers. A Texas Instruments graphing calculator (BELOW a TI-89: TI-84 silver edition preferred) is required.

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Advance Placement Statistics, Honors, Full Year, 1.0 credit

(Prerequisite: Alg II)

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns.
2. Sampling and Experimentation: Planning and conducting a study.
3. Anticipating Patterns: Exploring random phenomena using probability and simulation.
4. Statistical Inference: Estimating population parameters and testing hypotheses

At the end of the course, students may take the AP exam with the possibility of being awarded college credit for a one-semester introductory college statistics course from the college they choose to attend.

Advanced Placement Calculus (Calculus and Analytic Geometry I), Honors, Full Year, 1.0 credit

(Prerequisite: Honors Pre-Calculus)

This course stresses both differential and integral calculus with emphasis on analytical, graphical and numerical analysis. At the end of the course, students may take the AP exam with the possibility of earning 1-2 semesters of college credit. A Texas Instruments graphing calculator (BELOW a TI-89: TI-84 silver edition preferred) is required. At the end of the course, students may take the AP exam with the possibility of being awarded up to 5 college credits from the college they choose to attend.

Applied Mathematics, College Prep, Full Year, 1.0 credit

(Prerequisite: Algebra II or Geometry (Academic) and the recommendation of current math teacher)

This course is designed to reinforce students' mathematical skills. Exercises demonstrate the practical applications of mathematics. Topics include critical thinking skills, consumer mathematics, statistics, logic, and geometry.

SCIENCE

Biology I, Honors, Full Year, 1.0 credit

This is a lab course designed to introduce the discipline of biology to students with above average abilities. The student will be shown the development of biological principles from simple levels of biological organization to complex levels. A Science Fair project is required of all students.

Biology I, College Prep, Full Year, 1.0 credit

This is a lab course designed to introduce the discipline of biology to students. The student will be shown the development of biological principles from simple levels of biological organization to complex levels. A Science Fair project is required of all students.

Chemistry, Honors, Full Year, 1.0 credit

Chemistry (H) is an accelerated first-year high school chemistry course for college-bound students possibly pursuing a major in a science-related field. The fundamentals of chemistry are investigated in an effort to form a strong understanding of proper measurement and laboratory techniques. Topics covered include properties of matter, atomic structure, bonding, chemical nomenclature, chemical reactions, stoichiometry, gases, colligative properties of solutions, oxidation-reduction reactions, and organic chemistry. Topics are covered in more detail than in Chemistry (CP), and laboratory investigations require the students to critique experimental procedure and perform statistical error analysis.

Chemistry, College Prep, Full Year, 1.0 credit

Chemistry (CP) is a first-year high school chemistry course for college-bound students pursuing a non-science major. The fundamentals of chemistry are investigated in an effort to form a strong understanding of proper measurement and laboratory techniques. Laboratory investigations are meant to solidify understanding of key concepts as well as improve the student's ability to organize and represent of data. Topics covered include properties of matter, atomic structure, bonding, chemical nomenclature, chemical reactions, stoichiometry, gases, and organic chemistry.

Physics, College Prep, Full Year, 1.0 credit

(Prerequisite: Algebra I, Geometry)

General physics will introduce the following two key topics of physics: Mechanics and Electricity.

Mechanics will explore the nature of motion and forces within kinematics and dynamics. These topics will include Newtonian laws of motion, energy concepts, and thermodynamics. The topics of electricity are static electricity, electric field principles, and electrical circuits. Through lecture, demonstrations, class activities in and outside of the laboratory, students will have a chance to develop and apply their cognitive understanding and algebraic-trigonometric skills to analyze and explain the physical laws and principles of matter. Students should have a full year of algebra and geometry with basic concepts in trigonometric identities such as sine, cosine, and tangent functions before taking this course.

Advanced Placement Chemistry, Honors, Full Year, 1.0 credit

(Prerequisite: Chemistry Honors)

AP Chemistry is the equivalent of a first-year college chemistry course. It applies many of the basic concepts of a first year high school chemistry course to more complex chemical principles. Emphasis is placed on laboratory investigations of such concepts as atomic structure, bonding, stoichiometry, gases, thermochemistry, kinetics and equilibrium, thermodynamics, solutions, and electrochemistry. Students must keep a bound laboratory notebook. At the end of the course, students may take the AP exam with the possibility of being awarded college credit from the college they choose to attend.

Advanced Placement Physics, Honors, Full Year, 1.0 credit

(Prerequisite: Physics)

This lab course meets seven periods a week. It is designed to provide the student with the concepts and the principles that emphasize the relationships of matter and energy. This course applies algebra and basic trigonometry to the solution of equations that model real-world physical events. At the end of the course, students may take the AP exam with the possibility of being awarded college credit from the college they choose to attend.

Biology II, College Prep, Full Year, 1.0 credit

(Prerequisite: Biology I)

This is a college prep lab course designed to prepare the advanced biology student for college biology.

Anatomy & Physiology, Honors, Full Year, 1 credit

(Prerequisite: Biology and Chemistry)

This course will cover the 11 body systems, body orientations, medical terminology, and chemistry of the body. It is designed to prepare a student to take a college level course in Anatomy. There will be a lot of memorization of new terminology and all of the working parts of each system. Dissections will be done as available for the muscular, respiratory, sensory organs, digestive, and circulatory systems. This course is recommended for students entering the medical or veterinary fields.

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Environmental Science, College Prep, Full Year, 1.0 credit

Environmental Science is a lab course designed to make students aware of the pressing environmental issues in today's world. Since the preservation of the environment is so critical, the emphasis in this program is the study of science and the development of reasoning and decision-making skills that are scientifically based.

SOCIAL STUDIES

United States History, College Prep, Full Year, 1.0 credit

The course covers the time from the discovery and exploration of North America to United States participation in World War II. Reading, writing, and map assignments introduce or strengthen knowledge and skills specified in the course outcomes for U.S History at the college prep level of study. This course stresses knowledge of content, differentiating political, social and economic contexts within historical periods. Special attention is given to the skills of taking good notes and writing good paragraph answers to questions about history. This course places a strong emphasis on written analyses of primary sources, research projects, and group investigations of the critical issues in the history of the United States.

Advanced Placement United States History, Honors, Full Year, 1.0 credit

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. Students will incorporate the 9 Historical Thinking Skills (historical causation, patterns of continuity and change over time, periodization, comparison, contextualization, historical argumentation, appropriate use of relevant historical sources, interpretation, and synthesis) in their writing. The course also provides seven themes (beliefs, America in the world, geography and environment, peopling, identity, politics and power, and economics) which students explore throughout the course in order to make connections among historical developments in different times and places. Strong emphasis is placed on analysis of historical information and generating written response to questions/ essay prompts. At the end of the course, students may take the AP exam with the possibility of being awarded 6 college credits from the college they choose to attend.

Advanced Placement European Hist. (Hist. of Western Civilization I & II), Honors, Full Year, 1.0 credit

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, and objective knowledge and subjective visions, states and other institutions of power, and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places. At the end of the course, students may take the AP exam with the possibility of being awarded 6 college credits from the college they choose to attend.

World History, Academic, Full Year, 1.0 credit

Students discover the origins of contemporary history within the political, social, economic, and cultural histories of several ancient, medieval, and modern civilizations, with particular emphasis on Europe and the Middle East. Students use a wide variety of methods and materials, including art, music, and literature of the major periods, to complement this study. The course stresses such themes as political and social systems, geography, religions and value systems, and the impact of the individual on history. Students work with maps and special attention is given to the skills of taking good notes and writing good paragraph answers to questions about history.

World History, College Prep, Full Year, 1.0 credit

Students discover the origins of contemporary history within the political, social, economic, and cultural histories of several ancient, medieval, and modern civilizations, with particular emphasis on Europe and the Middle East. Students use a wide variety of methods and materials, including art, music, and literature of the major periods, to complement this study. The course stresses such themes as political and social systems, geography, religions and value systems, and the impact of the individual on history. Special attention is given to the skills of taking good notes and writing good paragraph answers to questions about history. This course places a strong emphasis on reading and written analyses of primary sources and secondary sources on critical issues in World History.

World History, Honors, Full Year, 1.0 credit

Students discover the origins of contemporary history within the political, social, economic, and cultural histories of several ancient, medieval, and modern civilizations, with particular emphasis on Europe and the Middle East. Students use a wide variety of methods and materials, including art, music, and literature of the major periods, to complement this study. The course stresses such themes as political and social systems, geography, religions and value systems, and the impact of the individual on history. Special attention is given to the skills of taking good notes and writing good paragraph answers to questions about history. This course places a strong emphasis on written analyses of primary sources and secondary historical sources. Students will conduct research projects, and group investigations of the critical issues in World History.

Economics, Honors, 1 semester, 0.5 credit

(This course satisfies the state of Illinois consumer education requirement.)

The course's main focus is the means of decision making by individuals and society regarding the production, manufacturing, and distribution of goods and services. The course content is generally divided into two parts. Microeconomics deals with how individuals base decision-making regarding use of time and resources to satisfy needs in conflict with scarcity. Macroeconomics involves the aggregate economy and, especially, the role government plays in maintaining stable price and employment levels.

Economics, College Prep, 1 semester, 0.5 credit

(This course satisfies the state of Illinois consumer education requirement.)

In this elective course the students form and run their own company. Students apply concepts of economics to the actual situations involving labor, supply and demand, retail, marketing, and advertising.

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Civics, College Prep, 1 semester, 0.5 credit

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today. All students take a state and federal Constitution test as part of the course.

Civics, Honors, 1 semester, 0.5 credit

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today. All students take a state and federal Constitution test as part of the course. This course places a strong emphasis on written analysis of both primary and secondary sources. Students will read and analyze information and be expected to formulate written responses to questions/ essay prompts.

FOREIGN LANGUAGES

Language and communication are at the heart of the human experience. The United States must educate students who are linguistically and culturally equipped to communicate successfully in a pluralistic American society and abroad. This imperative envisions a future in which all students will develop and maintain proficiency in English and at least one other language, modern or classical.

(From: Standards for Foreign Language Learning)

Mandarin Chinese I and Spanish I, College Prep, Full year, 1.0 credit

Mandarin Chinese I and Spanish I introduce beginning students to the four basic skills of language learning: listening, speaking, reading, and writing, with an emphasis on listening and speaking. The target language is used to communicate in the context of contemporary cultures and to make connections across academic, vocational, and technical disciplines.

Mandarin Chinese II and Spanish II, College Prep, Full year, 1.0 credit

Mandarin Chinese II and Spanish II continue to develop the four basic skills of language learning. The target language is used to increase the student's knowledge of verb tenses and vocabulary. Cultural knowledge is enhanced as students learn "how, when, and why to say what to whom."

Mandarin Chinese III and Spanish III, Honors, Full year, 1.0 credit

The third year of Mandarin Chinese and Spanish continues to develop the four basic skills of language learning. The emphasis is on speaking skills and greater attention to reading and writing. The target language is used to learn about and compare ancient and contemporary cultures and describe current career opportunities in which the target language can be used.

Mandarin Chinese IV and Spanish IV, Honors, Full Year, 1.0 credit

The fourth year of Chinese and Spanish continues to develop the four basic skills of language learning. The emphasis is on speaking skills and greater attention to reading and writing. The target language is used to expand communication skills, understand other cultures, and reinforce knowledge and skills across academic, vocational, and technical disciplines.

BUSINESS**Introduction to Computer Science, College Prep, Full Year, every other day, 0.5 credit**

This class is designed to be the first computer science course for students who have never programmed before. Students work in teams to create applications for mobile Android® devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cyber security. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

Computer Science Principles, College Prep, Full Year, 1.0 credit

Using Python® as a primary programming tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber security, and simulation. Recognized by the AP College Board, computer science principles classroom offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment test.

Accounting, College Prep, Full Year, 1.0 credit

(This course satisfies the state of Illinois consumer education requirement)

In this course the students learn “real world” business functions for sole proprietorships, partnerships, and corporations. The first section focuses on a sole proprietorship and partnerships using a combination journal. Then students learn about accounting for a corporation and special journals.

PHYSICAL EDUCATION/HEALTH/DRIVERS ED.**Physical Education 1, College Prep, 1 semester, 0.5 credit**

The student will be introduced to the basic fundamentals of various individual physical fitness activities and guided into taking an active part in them. The course emphasizes physical fitness and swimming twice per week. At the completion of the course, the students are better aware of their conditioning and better fit for active daily lives.

Physical Education II, College Prep, 1 semester, 0.5 credit

(Students may take this course once each semester as their schedule allows)

While the student continues to swim twice a week to improve cardiovascular conditioning, the remainder of the course allows for individual and team activities with the emphasis on cardiovascular improvement.

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Health, College Prep, 1 semester, 0.5 credit

This course is structured to offer the students opportunities to analyze and evaluate information in terms of the 'health wheel,' that is, their own physical, mental and social health. The 'spokes' of the wheel are the topics studied: body systems, life cycles, reproduction, human development, nutrition, drug abuse, tobacco and alcohol.

Driver's Education, College Prep, 1 semester, 0.5 credit

This classroom and practical course is designed to teach the traffic rules of Illinois and to develop safe driving habits. In addition to traffic rules, classroom work stresses accident prevention techniques, the dangers of drinking and driving, the responsibilities of car ownership, and basic car maintenance. Behind the wheel practice stresses defensive driving and provides experience in city, highway and country driving.

ART

Introduction to Art, College Prep, Full Year, 1.0 credit

This course is set up to give the students an idea of the basic skills used by artists as well as to heighten their appreciation for and awareness of all things aesthetic. As the year progresses, the students begin to understand what it takes to make art that is worth looking at.

The class starts with a crash lesson in drawing—learning to see—including contour, gesture, and weighted drawing. The course also includes color theory, the theory and practice of perspective drawing, pointillism, collage, calligraphy, and pen and ink work. The year concludes with Japanese paper cutting and print making.

Art II, College Prep, Full Year, 1.0 credit

(Prerequisite: Introduction to Art)

This class allows students to work in two- and three-dimensional media. The year is broken into thirds, each using a different medium. The first is water color with emphasis on composition, drawing, and the use of color and tone over that of line. Second is stained glass. Using the copper foil method, students compose and execute their own designs. Stained glass can also be carried to the third dimension. Third is sculpture. Working with clay, students model the sculpture and cast it on plaster. The students are required to keep a sketch book of drawings made outside of class.

Advanced Art: Art Survey I, College Prep, Full Year, 1.0 SBA cr, Dual Credit-3 IVCC crs

(Prerequisite: Art II)

Advanced Art: Art Survey II, College Prep, Full Year, 1.0 SBA credit, Dual Credit-3 IVCC credits

(Prerequisite: Advanced Art: Art Survey I)

Following the same format as Art II, the students are introduced to three new media: oil painting, drawing and stone carving. As with Art II, the students are required to keep a sketch book of drawings made outside of class. Students will be introduced to artists and their works from pre-historic times to the present day. The focus will be both on what events in the development of the world caused changes in art as well as on how art and architecture affected everyday life throughout history.

Adv. Art: Art Survey I offers the opportunity for qualified students to earn 3 dual credit hours for the IVCC course ART 1000-Art Survey I in addition to 1 SBA high school credit. **Adv. Art: Art Survey II** offers the opportunity for qualified students to earn 3 dual credit hours for the IVCC course ART 1010-Art Survey II in addition to 1 SBA high school credit.

Photography, College Prep, 1 semester, 0.5 credit

(This course is open to senior students only. The enrollment is limited, and preference is given to students who have completed one or more of the art courses.)

This studio class provides hands-on experience for young photographers. With the approach that photography is an art form, students are expected to create works that are not only technically correct but also aesthetically pleasing. Lectures combine with critiques to give the students an opportunity to problem solve or head off any future difficulty. Once familiar with the workings of the dark room, the photographers expose, process, and take a print or prints from a roll of film each week. In addition, photographers may be asked to do work for the year book or other publications produced at St. Bede.

MUSIC**Freshman Chorus, College Prep, Full Year, 1.0 credit**

Students begin to sing in three-part harmony and learn basic music theory. This group performs four concerts throughout the school year. In addition, students from this class have the opportunity to audition for the IMEA chorus, sing “The Star Spangled Banner” at home sporting events, and participate in Solo & Ensemble or the District Music Festival. Students fundraise twice a year to raise money for a Disney trip along with other needs in the music department.

Sophomore Chorus, College Prep, Full Year, 1.0 credit

This is a course in which students continue to learn musical concepts and techniques. During this class the students will start to sing in four-part harmony. This class is not limited to sophomores: juniors and seniors who are unable to join the Advanced Chorus may sing with this class. Students from this class have the opportunity to audition for the IMEA chorus, sing “The Star Spangled Banner” at home sporting events, and participate in Solo & Ensemble or the District Music Festival. Students fundraise twice a year to raise money for a Disney trip along with other needs in the music department.

Advanced Chorus, College Prep, Full Year, 1.0 credit

Students interested in being in the Advanced Chorus must audition for acceptance into the class. The class sings mostly in four parts and is striving to be an elite group in the Academy. Students not chosen to sing in the Advanced Chorus may sing in the Sophomore Chorus. The class performs at three concerts at the Academy along with a few outside events. Students may also participated in the District Music Contest, IMEA chorus and perform “The Star Spangled Banner at home sporting events. Students fundraise twice a year to raise money for a Disney trip along with other needs in the music department.

Band (Concert Band), College Prep, Full Year, 1.0 credit

The concert band involves students in and outside the classroom. The pep band plays at most home athletic events. The concert band performs four concerts each school year and marches in 1-2 parades in the community. Typically, and members already know how to play an instrument, but anyone willing to learn to play an instrument may sign up for the course. The band fundraises twice a year to raise money for a Disney trip along with other needs in the music department. Students in the band also have the opportunity to perform in IMEA music festival, Solo & Ensemble or the District Music Festival.

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LA SALLE-PERU AREA CAREER CENTER COURSES

Vocational/College Prep, Full Year, 2 periods/day, 4 credits, Seniors only

The LP ACC is a public vocational school that offers instruction in skilled trades in order to provide practical experience and job training. Most of the courses offer Dual Credit and courses can transfer to IVCC or a 4 year college. The number of college credits varies depending on the course. Courses meet at the ACC building (adjacent to LaSalle-Peru High School) during SBA periods A and B. Students are responsible for their own transportation. **Only seniors** may enroll in ACC courses. See appendix 1 for detailed course descriptions and credit information. Additional registration fees are required for some courses.

Automotive Technology	Graphic Communications
Building Trades	Health Occupations
Child Care/Early Childhood Education	IL Valley Entrepreneurial Opportunities(IVEO)
Computer Aided Drafting	Machine Technology
Cosmetology	Residential Wiring
Culinary Arts	Welding
Fire Science/EMT Training	

IVCC EARLY ENTRY COLLEGE (E2C) COURSES.

College Courses, 3.0 College Credits per course

Prerequisite: 3.0 GPA, **Juniors and Seniors only**

Junior and senior students may enroll in classes offered at St. Bede by Illinois Valley Community College. Classes are taught by IVCC faculty, and students who successfully complete the courses receive college credit. Grades obtained in these classes are not included in a student's high school grade point average. Courses offered will vary from year to year. **Students do not earn high school credit.** Students earn IVCC college credit only. Additional registration fees payable to IVCC are required at the time of registration. See the IVCC website for detailed course descriptions.

SPH 1001 Fundamentals of Speech	3 credits from IVCC
PSY 1000 General Psychology	3 credits from IVCC
MUS 1000 Music Appreciation	3 credits from IVCC
SOC 1000 Introduction to Sociology	3 credits from IVCC

Automotive Technology

Automotive Technology teaches the basic skills needed in a career as an automotive technician, some of which include hands-on activities related to assembly, disassembly, adjustments, repairs and service of vehicles as well as auto repair. Students will be eligible for 6 hours of college credit from IVCC! Stress will be placed on developing good safety, diagnostic, and preventive maintenance skills. Students will have the opportunity to complete the requirements for the NATEF- "General Automotive Service Technician" Certification.

Basic Fire Skills-Emergency Medical Responder

Basic Fire Skills-EMR is designed to provide students with the skills necessary to prevent and extinguish fires and provide basic emergency medical treatment. Students will hear from and visit several of the local fire stations in the area to gain an understanding of the wide variety of employment situations. Students will also be introduced to a variety of other public safety careers. Students will be eligible for up to 4 hours of dual credit by completing their Emergency Medical First Responder certification through IVCC.

Building Trades

In Building Trades, students learn carpentry skills, with a blend of classroom theory and hands-on experience. Students will become familiar with using hand tools, portable power tools, and other equipment common in the carpentry profession as well as working with lumber, fastener, and roofing materials. Students will also learn site layout, rough framing, and exterior and interior finish work. These skills will be applied to off campus projects as well as in class. Students will be eligible for certification in construction and safety through the NCCER curriculum as well as an OSHA 10 safety credential. For more details, go to www.nccer.com.

Child Care/Early Childhood Education

This course is designed to prepare students interested in a career in child and day care operations and early childhood education with information and practical experience needed for the development of job-related competencies. Students are provided laboratory experience within a school-based or extended campus facility. Students will be eligible for 3 hours of college credit from IVCC. Also, 10 documented observation hours can apply toward the IVCC Child Care/ECE program. Students will have the opportunity to achieve Level 1 of the "Gateways to Opportunities" program offered through INCCRRA.

Computer Aided Drafting

This course gives training in design aspects to various industries. Students will use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. Second year students will construct and test models for strength and durability. Students will be eligible for 9 hours of college credit from IVCC; 3 of those credit hours can be awarded through the dual credit agreement with the college.

Cosmetology

This program is open to seniors only. Students will be eligible for the first 250 hours towards a license in cosmetology. The class is offered at the Educators of Beauty, a Pivot Point member school. Students will have both theory and practical experiences in the introductory areas of cosmetology including shampooing, facials, permanent waves, hair removal/scalp massage, makeup application, manicures, pedicures, chemical hair relaxing and retail. Visit us at www.educatorsofbeauty.com

Culinary Arts

Students will be trained for career opportunities in the Food Service Industry and take the "Illinois Food Handlers" certification test. They will perform quantity food preparation as it relates to catering, bakery, restaurant, and hospitality operation. Food Service emphasizes: sanitation, safety, equipment operation and care, personal and interpersonal job acquisition and retention skills, and front and back-of-the-house worker tasks. This class manages and operates the Corner Cafe Restaurant and Bakery located at 200 9th Street, Peru.

Graphic Communications

The entire gamut of the graphic arts industry will be experienced in this course. Students will learn design, typography, measurement, color, and digital imaging. Adobe Creative Suite (InDesign, Photoshop, and Illustrator) is utilized. Students will create a 2 color screen printing job and a client project. Students will also have the opportunity to become PrintED certified, which is a nationally accredited certification. Second year students will run the Apprentice Printers print shop and learn leadership, dependability, ethics, and responsibility. Students will be eligible for 3 hours of college credit from IVCC. Articulation agreements are also in place with ISU.

Health Occupations

Students will learn basic anatomy and physiology terminology and patient care skills, such as vital signs in the first semester. In the second semester, students will get the hands on clinical experience required by the state of Illinois to become a Certified Nursing Assistant (CNA). Second year students will earn credit for IVCC's Medical Terminology, (3 credit hours). If both years are completed, students will be eligible for 13 dual credit hours through IVCC.

IVEO- Illinois Valley Entrepreneurial Opportunities

If you have ever thought about owning your own business, you may be interested in the IVEO class. IVEO is a class that allows 11th and 12th grade students to visit businesses in the Illinois Valley area. The class will also be visited by entrepreneurs from all walks of the Illinois Valley business community. This class will teach you how to write a business plan, register a new business, create a prototype, market your idea, and start your own business. Students will be eligible for 3 hours of college credit from IVCC.

Machine Technology

Students will use technical knowledge and skills to plan, manufacture, and assemble projects. They will learn to use the lathe, mill, grinders, drill press, band saw, and state of the art CNC equipment. Communication and personal skills for successful employment will be promoted. Students will be eligible for 4 hours of college credit from IVCC. Second year students will also have the opportunity to work toward a national "Manufacturing Production Technician Certification" through the use of the Manufacturing Skills Standards Council curriculum.

Residential Wiring

This program is designed to provide students with the basic knowledge of becoming a residential electrician. Students will learn how to safely use various hand and power tools necessary in the electrical profession. Students will learn how to properly diagnose, layout, and create electrical blueprints, as well as execute them in the field. Students will also learn how to hang light fixtures, install smoke detectors as well as build and install a main service panel with circuit breakers. Students will be eligible for 5 hours of college credit from IVCC.

Welding

This program provides students with knowledge of proper welding techniques and procedures. At completion, students will have the skills to get entry level jobs in the field of welding. The first year introduces students to basic techniques, tool use, and safety. Second year students will continue to learn more advanced methods, and will build on skills learned in the first year. Students will be eligible for 4 proficiency hours and 6 hours of college credit from IVCC.

“Your Future Begins Here!”