

PROGRAM READY WRITING: A student is program ready in writing if he/she has one of the following:

- **Knowledge Assessment (KA): Read/Write 70**
- ACCUPLACER NEXT GEN: Writing 257 **OR** 250+ **AND** Writeplacer 5
- ACCUPLACER Standard: Sentence Skills 80
- ITCC ACCUPLACER Diagnostic: Writeplacer 4
- ACT: English 17
- SAT 2016 and forward: Writing/Language Test 27
- SAT 2016 and forward: Evidence-Based Read/Write 460
- PSAT 10 (2016 and forward): Writing Skills 26
- PSAT 10 (2016 and forward): Evidence-Based Read/Write 430
- **Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale; Must be Core 40 and four semesters completed.**

PROGRAM READY READING: A student is program ready in reading if he/she has one of the following:

- **Knowledge Assessment (KA): Read/Write 70**
- ACCUPLACER NEXT GEN: Reading 257
- ACCUPLACER Standard: Reading 76
- IDOE/ITCC ACCUPLACER Diagnostic: Reading 69
- ACT: Reading 18
- SAT 2016 and forward: 25 Reading Test
- SAT 2016 and forward: Evidence-Based Read/Write 460
- PSAT 10 (2016 and forward): Critical Reading 25
- PSAT 10 (2016 and forward): Evidence-Based Read/Write 430
- **Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale; Must be Core 40 and have four semesters completed.**

MATH DEFINITIONS:

Knowledge Assessment Math (KAMATH) Keys:

KAQR = Knowledge Assessment Quantitative Reasoning

KASTEM = Knowledge Assessment Science, Technology, Engineering and Math KACALC = Knowledge Assessment Calculus

ACCUPLACER NEXT GEN Math Placement:

QAS = Quantitative Reasoning, Algebra, and Statistics AAF = Advanced Algebra and Functions

All above scores are only accepted for four years after a test(s) was taken.

ITCC determines final course placement when registering students into dual credit course(s).

Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*ACCT 101 Financial Accounting, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM: 50, KACALC: 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18 ; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	4524 and 4522	Intro to Accounting and Advanced Accounting
ACCT 118 Financial Concepts for Accounting, 3 cr	None	5258	Banking and Investment Capstone

ADMF 101 Key Principles of Advanced Manufacturing, 3 cr	None	4796 or 5608	Introduction to Advanced Manufacturing and Logistics or Advanced Manufacturing I
ADMF 102 Technology in Advanced Manufacturing, 3 cr	PREREQUISITE(S)/COREQUISITE(S): ADMF 101 Key Principles of Advanced Manufacturing	5606 or 5608 or 5610 or 5686	Advanced Manufacturing II or Advanced Manufacturing I or Industrial Automation and Robotics I or Industrial Technical Maintenance I
ADMF 112 Automation - Mechatronics Mechanical Systems, 3 cr	None	5608 or 5610 or 5612 or 5686	Advanced Manufacturing I or Industrial Automation and Robotics I or Industrial Automation and Robotics II or Industrial Technical Maintenance I
ADMF 116 Automation and Robotics in Manufacturing I, 3 cr	None	5610 or 5606	Industrial Automation and Robotics I or Advanced Manufacturing II
ADMF 117 Motoman Robotic Programming, 3 cr	None	5606 or 5610	Advanced Manufacturing II or Industrial Automation and Robotics I
ADMF 122 Automation - Mechatronics Electrical & Robotics Systems, 3 cr	PREREQUISITE(S)/COREQUISITE(S): INDT 113, Basic Electricity	4832 or 5694 or 5612 or 5618 or 5606 or 5688	Construction Trades: Elec. II or Electronics and Computer Tech II or Industrial Automation and Robotics II or Energy Industry II or Advanced Manufacturing II or Industrial Technical Maintenance II
ADMF 222 Automation - Mechatronics Pressurized Systems, 3 cr	PREREQUISITE(S)/COREQUISITE(S): INDT 104, Fluid Power Basics	5612 or 5686 or 5688	Industrial Automation and Robotics II or Industrial Technical Maintenance I or Industrial Technical Maintenance II
AGRI 100 Introduction to Agriculture, 3 cr	None	6130	Advanced Career and Technical Education College Credit: Agriculture
AGRI 103 Animal Science, 3 cr	None	5008	Animal Science
AGRI 104 Food Science, 3 cr	None	5102	Food Science
AGRI 105 Plant and Soil Science, 3 cr	None	5170	Plant and Soil Science
AGRI 106 Agriculture Mechanization, 3 cr	None	5088	Agriculture Power, Structure & Technology
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
AGRI 107 Advanced Animal Science, 3 cr	None	5070	Advanced Life Science, Animals
AGRI 108 Advanced Food Science, 3 cr	None	5072	Advanced Life Science, Foods
AGRI 109 Advanced Plant and Soil Science, 3 cr	None	5074	Advanced Life Science, Plants and Soils
AGRI 115 Natural Resources Management, 3 cr	None	5180	Natural Resource
AGRI 116 Survey of Horticulture, 3 cr	None	5132	Horticulture Science
AGRI 117 Soil Science, 3 cr	None	6130	Advanced Career and Technical Education College Credit: Agriculture
AGRI 119 Sustainable and Alternative Energy, 3 cr	None	5229	Sustainable Energy Alternatives
AGRI 164 Landscape Design I, 3 cr	PREREQUISITE(S): AGRI 100, Introduction to Agriculture	5136	Landscape Management I
AGRI 217 Soil Fertility, 3 cr	None	6130	Advanced Career and Technical Education College Credit: Agriculture
AGRI 223 Plant Pest ID and Control, 3 cr	None	6130	Advanced Career and Technical Education College Credit: Agriculture

APHY 101 Anatomy & Physiology I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5276	Anatomy & Physiology
APHY 102 Anatomy & Physiology II, 3 cr	<u>PREREQUISITE(S)</u> : APHY 101 Anatomy & Physiology I	3090	No comparable DOE course. When APHY 102 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
*ARTH 101 Survey of Art and Culture I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4025	AP Art History
*ARTH 102 Survey of Art and Culture II, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4260	No comparable DOE approved course. When ARTH 102 is taught, the Ivy Tech syllabus must be used and 4260 Advanced Fine Arts, College Credit is used for posting to the high school transcript.
*ARTH 110 Art Appreciation, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4024 or 4020	Art History or Advanced Art History
*ARTS 100 Life and Object Drawing I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4048 or 4060	AP Drawing or Drawing (L)
ARTS 102 Color and Design Theory I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4050	AP 2-D Art and Design
ARTS 103 Three - Dimensional Design, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4052	AP 3-D Art and Design
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*ASTR 101 Solar System Astronomy, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When ASTR 101 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
AUBR 100 Introduction to Collision Service, 3 cr	None	6128	Advanced CTE, College Credit: Transportation
AUBR 101 Body Repair I, 3 cr	<u>COREQUISITE(S)</u> : AUBR 125, Automotive Body Welding	5514	Automotive Collision Repair I
AUBR 103 Automotive Paint Fundamentals, 3 cr	None	5544	Automotive Collision Repair II
AUTI 100 Basic Automotive Service, 3 cr	None	5510 or 5620	Automotive Services Technology I or Diesel Service Technology I
AUTI 111 Electrical Systems I, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : AUTI 100, Basic Automotive Service OR AUBR 100, Introduction to Collision Service OR TRCK 100, HD Truck Preventative Maintenance	5510 or 5546	Automotive Services Technology I or Automotive Services Technology II
AUTI 121 Brake Systems, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : AUTI 111 Electrical Systems I	5510 or 5546	Automotive Services Technology I or Automotive Services Technology II
AUTI 122 Steering and Suspension Systems, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : AUTI 111 Electrical Systems I	5510 or 5546	Automotive Services Technology I or Automotive Services Technology II
AUTI 131 Engine Performance Systems I, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : AUTI 111 Electrical Systems I	5546	Automotive Services Technology II
AUTI 141 Engine Fundamentals and Repair, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : AUTI 100, Basic Automotive Service	5510 or 5546	Automotive Services Technology I or Automotive Services Technology II

AUTI 145 Driveline Service, 3 cr	PREREQUISITE(S)/COREQUISITE(S): AUTI 100, Basic Automotive Service	5510 or 5546	Automotive Services Technology I or Automotive Services Technology II
AUTI 160 Diesel Engine Theory and Service, 3 cr	None	5624	Diesel Service Technology II
AVIT 111 Introduction to Aviation Technology, 2 cr	None	5528 or 6128	Aviation Operations or Advanced CTE, College Credit: Transportation
AVIT 120 Private Pilot Theory, 6 cr	None	5524 or 6128	Aviation Flight or Advanced CTE, College Credit: Transportation
AVIT 132 Aviation Operations, 3 cr	PREREQUISITE(S)/COREQUISITE(S): AVIT 111, Introduction to Aviation Technology	5528	Aviation Operations
AVIT 135 Aviation Safety & Management Systems, 3 cr	PREREQUISITE(S): AVIT 111, Introduction to Aviation Technology	5528 or 6128	Aviation Operations or Advanced CTE, College Credit: Transportation
AVIT 138 Aviation Weather Services, 3 cr	None	6128	Advanced CTE, College Credit: Transportation
AVIT 202 Instrument Pilot Theory, 3 cr	PREREQUISITE(S): AVIT 120, Private Pilot Theory AND AVIT 125, Private Pilot Flight Training COREQUISITE(S): AVIT 205, Instrument Pilot Flight Training	6128	Advanced CTE, College Credit: Transportation
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
AVIT 208 Air Traffic Control, 3 cr	PREREQUISITE(S): AVIT 111, Introduction to Aviation Technology	6128	Advanced CTE, College Credit: Transportation
AVIT 250 Multi-Engine/Commercial Theory, 3 cr	PREREQUISITE(S): AVIT 202, Instrument Pilot Theory AND AVIT 205, Instrument Pilot Flight	6128	Advanced CTE, College Credit: Transportation
AVIT 254 Aircraft Systems, 3 cr	PREREQUISITE(S): AVIT 111, Introduction to Aviation Technology	6128	Advanced CTE, College Credit: Transportation
BCOM 102 Construction Blueprint Reading, 3 cr	None	5580 or 5498	Construction Trades I or Construction Trades : HVAC II
BCOM 104 Construction Materials, 3cr	None	5580	Construction Trades I
BCTI 100 Introduction to Construction Technology, 3 cr	None	5580 or 5578 or 6132	Construction Trades I or Construction Trades II or Advanced CTE, College Credit: Transportation
BCTI 101 Introduction to Carpentry, Part 1, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 100, Intro to Construction Technology	5580 or 5578	Construction Trades I or Construction Trades II
BCTI 102 Introduction to Carpentry, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 101, Intro to Carpentry, Part 1	5580 or 5578	Construction Trades I or Construction Trades II
BCTI 103 Carpentry Framing and Finishing, Part 1, 3 cr	PREREQUISITE(S): BCTI 100, Intro to Construction Technology	5580 or 5578	Construction Trades I or Construction Trades II
BCTI 104 Carpentry Framing and Finishing, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 103, Carpentry Framing and Finishing, Part 1	5580 or 5578	Construction Trades I or Construction Trades II
BCTI 110 Introduction to Concrete Finishing, 3 cr	PREREQUISITE(S): BCTI 100, Intro to Construction Technology	5580 or 6132	Construction Trades I or Advanced CTE, College Credit: Architecture and Construction
BCTI 120 Introduction to Heavy Highway Construction, 3 cr	PREREQUISITE(S): BCTI 100 Introduction to Construction Technology. COREQUISITE(S): BCTI 100 Introduction to Construction Technology	6132	Construction Trades: Heavy Equipment I & II
BCTI 121 Basic Rigging, 3 cr	PREREQUISITE(S): BCTI 100 Introduction to Construction Technology.	6132	Construction Trades: Heavy Equipment I & II
BCTI 122 Introduction to Heavy Highway Construction Part I, 3 cr	PREREQUISITE(S): BCTI 120 Introduction to Heavy Highway Construction	6132	Construction Trades: Heavy Equipment I & II

BCTI 123 Introduction to Heavy Highway Construction Part II, 3 cr	PREREQUISITE(S): BCTI 122 Heavy Highway Construction Part 1. COREQUISITE(S): BCTI 122 Heavy Highway Construction Part 1.	6132	Construction Trades: Heavy Equipment I & II
BCTI 130 Introduction to Electrical, 3 cr	None	4830 or 4832	Construction Trades: Elec. I or Construction Trades: Elec. II
BCTI 131 Electrical, Part 1, 3 cr	PREREQUISITE(S): BCTI 130, Intro to Electrical	4832	Construction Trades: Elec II
BCTI 132 Electrical, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 131, Electrical, Part 1	4832	Construction Trades: Elec II
BCTI 140 Introduction to Masonry, 3 cr	PREREQUISITE(S): BCTI 100, Intro to Construction Technology	5580 or 6132	Construction Trades I or Advanced CTE, College Credit: Architecture and Construction
BCTI 150 Introduction to Plumbing, Part 1, 3 cr	PREREQUISITE(S): BCTI 100, Intro to Construction Technology	5580	Construction Trades I
BCTI 151 Introduction to Plumbing, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 150, Introduction to Plumbing, Part 1	5578	Construction Trades II
BCTI 201 Carpentry Forms, Part 1, 3 cr	PREREQUISITE(S): BCTI 100, Intro to Construction Technology	5580 or 5578	Construction Trades I or Construction Trades II
BCTI 202 Carpentry Forms, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 201, Carpentry Forms, Part 1	6132	Advanced CTE, College Credit: Architecture and Construction
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*BIOL 100 Human Biology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When BIOL 100 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
*BIOL 101 Introductory Biology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 ; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3026	Biology II (L)
*BIOL 105 Biology I - Molecular and Cellular Processes (2 course sequence - to transfer to other IN post-secondary institutions, a student must complete BIOL 105 and 107), 5 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60 or College Level 86; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3020	AP Biology

*BIOL 107 Biology II - Diversity of Life, 5 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60 or College Level 86; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When BIOL 107 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
BIOL 120 Environmental Science, 4 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60 or College Level 86; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3010 or 3012	Environmental Science (L) or AP Environmental Science (L)
*BIOL 211 Microbiology I, 3 cr	PREREQUISITE(S): BIOL 105, Biology I OR BIOL 121, General Biology OR APHY 101, Anatomy and Physiology I AND MATH: KAQR 55; KASTEM 50; KATECH 55; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When BIOL 211 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
BIOT 100 Survey of Biotechnology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When BIOT 100 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
BIOT 102 Survey of Good Manufacturing Practices, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; KATECH 55; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3090	No comparable DOE approved course. When BIOT 102 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
BOAT 101 Microsoft Outlook, 3 cr	None	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 105 Microsoft Word, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship

Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
BOAT 109 Microsoft PowerPoint, 3 cr	None	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 121 Team Dynamics and Today's Workplace, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 201 Emerging Technologies, 3 cr	<u>PREREQUISITE(S)</u> : BOAT 121, Team Dynamics and Today's Workplace	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 207 Integrated Microsoft Office Applications, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 MATH: KAQR 55 ; KASTEM 50 ; KACALC 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 ; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 214 Microsoft Project, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
BOAT 216 Business Communications, 3 cr	<u>PREREQUISITE(S)</u> : ENGL 111, English Composition	5968	Business, Marketing, and Entrepreneurship: Special Topics
BOAT 218 Microsoft Excel, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 MATH: KAQR 55 ; KASTEM 50 ; KACALC 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40 ; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5968	Business, Marketing, and Entrepreneurship: Special Topics
BOAT 222 Microsoft Access, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 MATH: KAQR 55 ; KASTEM 50 ; KACALC 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
*BUSN 101 Introduction to Business, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4562	Principles of Business Management
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
BUSN 105 Principles of Management, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5268	Administrative and Office Management
BUSN 201 Business Law, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4560	Business Law and Ethics
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title

*CHEM 101 Introductory Chemistry I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 70; KACALC 95 ; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ ITCC ACCUPLACER Diagnostic: Elementary Algebra 92; ACT: Math 20; SAT 2016: Math 510; PSAT 10 (2016): Mathematics 25 (GPA does not apply for this MATH requirement.)	3066 or 3090	Chemistry II (L) or Advanced Science, College Credit
*CHEM 105 General Chemistry I, 5 cr	PREREQUISITE(S): MATH 136, College Algebra AND WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 OR WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KACALC 95 ; ACCUPLACER NEXT GEN: AAF 276; ACCUPLACER Standard: College Level Math 61; IDOE/ITCC ACCUPLACER Diagnostic: College Level Math 61 (GPA does not apply for this MATH requirement.)	3060	AP Chemistry
*CHEM 106 General Chemistry II, 5 cr	PREREQUISITE(S): CHEM 105, General Chemistry I	3090	No comparable DOE approved course. When CHEM 106 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
CHMT 170 Success in Science, 1 cr	None	3090	No comparable DOE approved course. When CHMT 170 is taught, the Ivy Tech syllabus must be used and 3090 Advanced Science, College Credit is used for posting to the high school transcript.
*CINS 101 Introduction to Microcomputers, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4528	Digital Applications and Responsibility
*COMM 101 Fundamentals of Public Speaking, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1078	Advanced Speech and Communication
*COMM 102 Introduction to Interpersonal Communication, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1078	Advanced Speech and Communication
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*CRIM 101 Introduction to Criminal Justice Systems, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5822	Criminal Justice I
CRIM 103 Cultural Awareness, 3cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5824	Criminal Justice II
CRIM 105 Introduction to Criminology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5822	Criminal Justice I
CRIM 110 Introduction to Law Enforcement, 3 cr	PREREQUISITE(S): CRIM 101, Introduction to Criminal Justice Systems	5824	Criminal Justice II
CRIM 111 Introduction to Traffic Enforcement and Investigation, 3 cr	PREREQUISITE(S): CRIM 101, Introduction to Criminal Justice Systems	6136	Advance CTE, College Credit: Public Safety
CRIM 113 Criminal Investigation, 3 cr	PREREQUISITE(S): CRIM 101, Introduction to Criminal Justice Systems	6136	Advance CTE, College Credit: Public Safety
CSIA 105 Introduction to Cyber Security/Information Assurance	PREREQUISITE(S): ITSP 135, Hardware/Software Support	5245	Networking II: CyberSecurity, Capstone IT Cluster, Network Support Pathway
DBMS 110 Database Design and Management, 3 cr	PREREQUISITE(S)/COREQUISITE(S): INFM 109, Informatics Fundamentals.	5250	Computer Science III: Databases

DESN 101 Intro to Design Technology, 3 cr	None	4800 or 4836 or 5640	Computers in Design and Production or Mechanical Drafting and Design I or Architectural Drafting I
DESN 104 Mechanical Graphics, 3 cr	PREREQUISITE(S): DESN 101, Introduction to Design Technology	4838	Mechanical Drafting & Design II
DESN 105 Architectural Design I, 3 cr	PREREQUISITE(S): DESN 101, Introduction to Design Technology	5652	Architectural Drafting and Design II
DESN 113 2D Computer-Aided Design (CAD), 3 cr	PREREQUISITE(S)/COREQUISITE(S): DESN 101, Introduction to Design Technology	4836 or 5640	Mechanical Drafting and Design I or Architectural Drafting I
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
ECED 100 Introduction to Early Childhood Education, 3 cr	WRITING: KARW 1 , ACCUPLACER NEXT GEN: Writing 237; ACCUPLACER Standard: Sentence Skills 60; ACCUPLACER Diagnostic: WritePlacer 2; ACT: English 17; SAT 2016: Writing/Language 27; SAT 2016: Ev-Based Read/Writing 460; PSAT 10 (2016): Writing Skills 26; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed. READING: KARW 70, ACCUPLACER NEXT GEN: Reading 237; ACCUPLACER Standard: Reading 55; IDOE/ITCC ACCUPLACER Diagnostic: Reading 25; ACT: Reading 18; SAT 2016: Reading Test 25; SAT 2016 Ev-Based Read/Write 460; PSAT 10 (2016): Critical Reading 25; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5412	Early Childhood Education I
ECED 101 Health, Safety and Nutrition, 3 cr	WRITING: KARW 1 , ACCUPLACER NEXT GEN: Writing 237; ACCUPLACER Standard: Sentence Skills 60; ACCUPLACER Diagnostic: WritePlacer 2; ACT: English 17; SAT 2016: Writing/Language 27; SAT 2016: Ev-Based Read/Writing 460; PSAT 10 (2016): Writing Skills 26; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed. READING: KARW 70, ACCUPLACER NEXT GEN: Reading 237; ACCUPLACER Standard: Reading 55; IDOE/ITCC ACCUPLACER Diagnostic: Reading 25; ACT: Reading 18; SAT 2016: Reading Test 25; SAT 2016 Ev-Based Read/Write 460; PSAT 10 (2016): Critical Reading 25; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5412	Early Childhood Education I
ECED 103 Curriculum in Early Childhood Classroom, 3 cr	WRITING: KARW 1 , ACCUPLACER NEXT GEN: Writing 237; ACCUPLACER Standard: Sentence Skills 60; ACCUPLACER Diagnostic: WritePlacer 2; ACT: English 17; SAT 2016: Writing/Language 27; SAT 2016: Ev-Based Read/Writing 460; PSAT 10 (2016): Writing Skills 26; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed. READING: KARW 70, ACCUPLACER NEXT GEN: Reading 237; ACCUPLACER Standard: Reading 55; IDOE/ITCC ACCUPLACER Diagnostic: Reading 25; ACT: Reading 18; SAT 2016: Reading Test 25; SAT 2016 Ev-Based Read/Write 460; PSAT 10 (2016): Critical Reading 25; PSAT 10 (2016): Ev-Based Read/Write 430; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5412 or 5406	Early Childhood Education I or Early Childhood Education II
ECED 105 CDA Process, 3 cr	PREREQUISITE(S): 480 hours of work experience with a specific age group (0-5) within the last 5 years and Program Chair Approval	5406	Early Childhood Education II
ECED 120 Child Growth and Development, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	5408	Education Professions I
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title

*ECON 101 Economics Fundamentals, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	1514	Economics (must be at an advanced or honors level)
*ECON 201 Principles of Macroeconomics, 3 cr	PREREQUISITE(S): ENGL 111, English Composition AND MATH: KAQR 55; KASTEM 50; KATECH 55; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 200; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	1564 or 1574	AP Macroeconomics or Advanced Social Sciences, College Credit
*ECON 202 Principles of Microeconomics, 3 cr	PREREQUISITE(S): ENGL 111, English Composition AND MATH: KAQR 55; KASTEM 50; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	1566 or 1574	AP Microeconomics or Advanced Social Sciences, College Credit
EDSN 103 Introduction to Environmental Design, 3 cr	PREREQUISITE(S)/COREQUISITE(S): EDSN 107, Design and Construction Graphics AND READING: Program Ready - see page 1	5654 or 6132	Architecture and Construction: Special Topics or Advanced CTE, College Credit: Architecture and Construction
EDUC 101 Introduction to Teaching, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5408	Education Professions I
EDUC 121, Child and Adolescent Development, 3 cr	None	5408	Education Professions I
EDUC 230, The Exceptional Child, 3 cr	PREREQUISITE(S): EDUC 101, Introduction to Teaching OR SPED 102, Introduction to Inclusive Teaching AND ECED 120, Child Growth and Development OR EDUC 121 Child and Adolescent Development	5404	Education Professions II
EDUC 233 Literacy Development through Children's Literature, 3 cr	PREREQUISITE(S): EDUC 101, Introduction to Teaching OR SPED 102, Introduction to Inclusive Teaching	5404	Education Professions II
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
EECT 101 Introduction to Electronics & Projects, 3 cr	None	5684	Electronics and Computer Tech I
EECT 112 Digital Fundamentals, 3 cr	MATH: KASTEM 70 , ACCUPLACER NEXT GEN: AAF 250; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 70; ACT 20 Math; SAT 2016: Math 510; PSAT 10 (2015) Mathematics 25 (GPA does not apply for this MATH requirement.)	5694	Electronics and Computer Tech II
*ENGL 111 English Composition, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1006 or 1008	English 11 (must be at an advanced or honors level) or English 12 (must be at an advanced or honors level)

*ENGL 202 Creative Writing, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 202 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
*ENGL 206 Introduction to Literature, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 206 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
*ENGL 211 Technical Writing, 3 cr	PREREQUISITE(S): A grade of "C" or better in ENGL 111, English Composition	1096 or 1094	Technical Communication or Expository Writing
*ENGL 215 Rhetoric and Argument (Honors), 3 cr	PREREQUISITE(S): A grade of "C" or better in ENGL 111, English Composition	1008 or 1098	English 12 (must be at an advanced or honors level) or Advanced Composition
*ENGL 220 World Literature I, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 220 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
*ENGL 221 World Literature II, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 221 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*ENGL 222 American Literature to 1865, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 222 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*ENGL 223 American Literature after 1865, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 223 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
*ENGL 240 Children's Literature, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1124	No comparable DOE approved course. When ENGL 240 is taught, the Ivy Tech syllabus must be used and 1124 Advanced English/Language Arts, College Credit is used for posting to the high school transcript.
ENRG 100 Energy Industry Fundamentals, 3 cr	None	5616	Energy Industry I

ENTR 101 The Entrepreneur and The Enterprise, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 50; KACALC 95; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18 ; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5 ; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5966	Entrepreneurship and New Ventures Capstone
ENTR 105 Entrepreneurial Marketing and Market Research, 3 cr	PREREQUISITE(S)/COREQUISITE(S): ENTR 101, The Entrepreneur and the Enterprise OR BUSN 101, Introduction to Business	5966	Entrepreneurship and New Ventures Capstone
ENTR 201 Venture Growth and Development, 3 cr	PREREQUISITE(S): ENTR 101, The Entrepreneur and the Enterprise	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
ENTR 205 Financial Management for Entrepreneurs, 3 cr	PREREQUISITE(S): ENTR 101, The Entrepreneur and the Enterprise	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
ENTR 210 Entrepreneurial Tax and Finance, 3 cr	PREREQUISITE(S): ENTR 205, Financial Management for Entrepreneurs	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
ENTR 250 New Venture Development, 3 cr	PREREQUISITE(S): ENTR 105, Entrepreneurial Marketing and Market Research and ENTR 205, Financial Management for Entrepreneurs	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*FREN 101 French Level I, 4 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2024	French III
*FREN 102 French Level II, 4 cr	PREREQUISITE(S)/COREQUISITE(S): FREN 101, French Level I OR WebCAPE 260 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2024	French III
*FREN 201 French Level III, 3 cr	PREREQUISITE(S): FREN 102, French Level II OR WebCAPE 337 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2026 or 2032	French IV or AP French Language
*FREN 202 French Level IV, 3 cr	PREREQUISITE(S)/COREQUISITE(S): FREN 201, French Level III OR WebCAPE 403 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2026 or 2032	French IV or AP French Language
GERM 101 German Level I, 4 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2044	German III
GERM 102 German Level II, 4 cr	PREREQUISITE(S)/COREQUISITE(S): GERM 101, German Level I WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2044	German III
GERM 201 German Level III, 3 cr	PREREQUISITE(S): GERM 102, German Level II WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2046 or 2052	German IV or AP German Language
GERM 202 German Level IV, 3 cr	PREREQUISITE(S)/COREQUISITE(S): GERM 201, German Level III WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2046 or 2052	German IV or AP German Language
*HIST 101 Survey of American History I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1542 or 1562	US History (Must be at an advanced or honors level) or AP US History
*HIST 102 Survey of American History II, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1542 or 1562	US History (Must be at an advanced or honors level) or AP US History

HIST 111 World Civilization I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1574	World History and Civilization
HLHS 100 Introduction to Health Careers, 3 cr	None	5282	Health Science Education I
*HLHS 101 Medical Terminology, 3cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5274	Medical Terminology
HLHS 102 Essential Anatomy and Physiology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5282	Health Science Education I
HLHS 104 CPR/Basic Life Support, .5 cr	None	6138	Advanced Career & Technical Education College Credit: Health Science
HLHS 105 Medical Law and Ethics, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6138	Advanced Career & Technical Education College Credit: Health Science
HLHS 107 CNA Preparation, 5 cr	Regulations per the Indiana State Department of Health and Program Advisor Approval	5282 or 5284	Health Science Education I or Health Science Education II: Nursing
HLHS 111 Health and Wellness for Life, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5366	Human Development and Wellness
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
HLHS 113 Dementia Care, 3 cr	None	5282 or 5284	Health Science Education I or Health Science Education II: Nursing
HLHS 121 Customer Relations in Healthcare, 3 cr	None	6138	Advanced Career & Technical Education College Credit: Health Science
HLHS 122 Electronic Health Records, 3 cr	PREREQUISITE(S)/COREQUISITE(S): HLHS 101, Medical Terminology	6138	Advanced Career & Technical Education College Credit: Health Science
HLHS 123 Meal Planning In Healthcare, 3 cr	None	6138	Advanced Career & Technical Education College Credit: Health Science
HLHS 125 Behavioral Health, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6138	Advanced Career & Technical Education College Credit: Health Science
HOSP 101 Sanitation and Safety, 2 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 102 Basic Food Theory and Skills, 3 cr	PREREQUISITE(S)/COREQUISITE(S): HOSP 101, Sanitation and Safety	5440	Culinary Arts and Hospitality I
HOSP 104 Nutrition, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5346 or 5458	Culinary Arts and Advanced Hospitality II: Culinary or Culinary Arts and Hospitality II: Hospitality Management
HOSP 105 Introduction to Baking, 3 cr	PREREQUISITE(S)/COREQUISITE(S): HOSP 101, Sanitation and First Aid	5346	Culinary Arts and Hospitality II: Culinary
HOSP 114 Introduction to Hospitality, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 171 Introduction to Convention/Meeting Management, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 215 Front Office, 3 cr	PREREQUISITE(S): HOSP 114, Introduction to Hospitality	5458	Culinary Arts and Hospitality II: Hospitality Management
HOSP 272 The Tourism System, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55; KASTEM 50 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5458	Culinary Arts and Hospitality II: Hospitality Management
HSPS 101 Introduction to Homeland Security, 3 cr	None	5822	Criminal Justice I

HSPS 102 Introduction to Public Safety, 3 cr	None	5210 or 5820 or 5822	Emergency Medical Services or Fire and Rescue I or Criminal Justice I
HSPS 106 Fire Suppression, 3 cr	None	5820	Fire and Rescue I
HSPS 120 Incident Management Systems I, 3 cr	PREREQUISITE(S): HSPS 102, Introduction to Public Safety	5820	Fire and Rescue I
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
HSPS 121 Introduction to Hazardous Materials Recognition, 3 cr	None	5820	Fire and Rescue I
HSPS 125 Emergency Medical Responder, 3 cr	None	5210	Emergency Medical Services
HSPS 165 Fire Fighter I, 3 cr	None	5820	Fire and Rescue I
HSPS 167 Fire Fighter II, 3 cr	PREREQUISITE(S)/COREQUISITE(S): HSPS 165, Fire Fighter I	5820	Fire and Rescue I
*HUMA 100 Theatre Appreciation, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4260	No comparable DOE approved course. When HUMA 100 is taught, the Ivy Tech syllabus must be used and 4260 Advanced Fine Arts, College Credit is used for posting to the high school transcript.
*HUMA 118 Music Appreciation, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4260	No comparable DOE approved course. When HUMA 118 is taught, the Ivy Tech syllabus must be used and 4260 Advanced Fine Arts, College Credit is used for posting to the high school transcript.
HUMS 101 Introduction to Human Services, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5462	Human and Social Services II
HUMS 109 Understanding Diversity, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5462	Human and Social Services II
HUMS 113 Problems of Substance Abuse in Society, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6138	Advanced CTE, College Credit: Health Science
HUMS 114 Social Services in Long-Term Care, 3 cr	None	6138	Advanced CTE, College Credit: Health Science
HUMS 135 Love, Romance, and Relationships, 3 cr	None	6138	Advanced CTE, College Credit: Health Science
HUMS 140 Loss and Grief, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6138	Advanced CTE, College Credit: Health Science
HUMS 155 Family and Community in Youth Work, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	6138	Advanced CTE, College Credit: Health Science
HVAC 100 Introduction to HVAC Technology, 3 cr	None	5496	Construction Trades: HVAC I
HVAC 101 Heating Fundamentals, 3 cr	None	5496	Construction Trades: HVAC I
HVAC 103 Refrigeration I, 3 cr	None	5496	Construction Trades: HVAC I
HVAC 107 Duct Fabrication & Installation, 3 cr	None	5498	Construction Trades: HVAC II
HVAC 120 Basic Carpentry and Building Maintenance, 3 cr	None	5496 or 6132	Construction Trades: HVAC I or Advanced CTE, College Credit: Architecture and Construction
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title

HVAC 122 General Maintenance, 3 cr	None	5496 or 6132	Construction Trades: HVAC I or Advanced CTE, College Credit: Architecture and Construction
HVAC 202 Electrical Circuits and Controls, 3 cr	PREREQUISITE(S): HVAC 101, Heating Fundamentals AND HVAC 103, Refrigeration I AND BCTI 130, Introduction to Electrical OR INDT 113, Basic Electricity	6132	Advanced CTE, College Credit: Architecture and Construction
HVAC 208 Heating Service, 3 cr	PREREQUISITE(S): HVAC 101, Heating Fundamentals AND BCTI 130, Introduction to Electrical OR INDT 113, Basic Electricity	6132	Advanced CTE, College Credit: Architecture and Construction
HVAC 211 Refrigerator II, 3 cr	PREREQUISITE(S): HVAC 103, Refrigeration II AND BCTI 130, Introduction to Electrical OR INDT 113, Basic Electricity	6132	Advanced CTE, College Credit: Architecture and Construction
INDT 103 Motors & Motor Controls, 3 cr	PREREQUISITE(S): INDT 113, Basic Electricity OR EECT 111, Introduction to Circuits Analysis	5686 or 5688	Industrial Technical Maintenance I or Industrial Automation and Robotics II
INDT 104 Fluid Power Basics, 3 cr	None	5686 or 5610	Industrial Technical Maintenance I or Industrial Automation and Robotics I
INDT 113 Basic Electricity, 3 cr	None	4830 or 5608 or 5610 or 5616 or 5684 or 5688	Construction Trades: Elec. I or Advanced Manufacturing I or Industrial Automation and Robotics I or Energy Industry I or Electronics and Computer Tech. I or Industrial Technical Maintenance II
INDT 114 Introductory Welding, 3 cr	None	5776	Welding Technology I
INDT 203 Machine Maintenance and Installation, 3 cr	None	5610 or 5612 or 5686 or 5688	Industrial Automation and Robotics I or Industrial Automation and Robotics II or Industrial Technical Maintenance I or Industrial Technical Maintenance II
INDT 205 Programmable Logic Controllers I, 3 cr	PREREQUISITE(S): INDT 113, Basic Electricity OR EECT 111, Introduction to Circuits Analysis	5606 or 5610 or 5612 or 5688	Advanced Manufacturing II or Industrial Automation and Robotics I or Industrial Automation Robotics II or Industrial Technical Maintenance II
INFM 109 Informatics Fundamentals, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5251	Computer Science III: Informatics
ITSP 135 Hardware/Software Support, 4 cr	PREREQUISITE(S)/COREQUISITE(S): INFM 109, Informatics Fundamentals OR CSCI 101, Computer Science I OR SDEV 120, Computing Logic	5230	IT Support
ITSP 175 IT Customer Support and Helpdesk Software, 3 cr	PREREQUISITE(S)/COREQUISITE(S): INFM 109, Informatics Fundamentals	5231	Information Technology Support II
LOGM 127 Introduction to Logistics, 3 cr	None	5602	Warehouse Operations and Materials Handling
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
LOGM 201 Logistics Quality & Lean Management, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 50; KACALC 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5602	Warehouse Operations and Materials Handling
LOGM 227 Supply Chain Management, 3 cr	None	5601	Supply Chain Management and Logistics

LOGM 228 Principles of Procurement, 3 cr	None	5601	Supply Chain Management and Logistics
LOGM 229 Transportation Systems, 3 cr	None	5602	Warehouse Operations and Materials Handling
LOGM 267 Operations Management, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 50 ; KACALC 95 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5601	Supply Chain Management and Logistics
MATH 123 Quantitative Reasoning, 3 cr	MATH: KAQR 55 ; KASTEM 50 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4 point scale. Must be Core 40 and have four semesters completed.	2550	Quantitative Reasoning
*MATH 135 Finite Math, 3 cr	MATH: KASTEM 70 ; ACCUPLACER NEXT GEN: AAF 250; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 92; ACT: Math 24; SAT 2016: Math 550; PSAT 10 (2016): Mathematics 27.0 (GPA does NOT apply for this MATH requirement.)	2530	Finite Mathematics
*MATH 136 College Algebra, 3 cr	MATH: KASTEM 70 ; ACCUPLACER NEXT GEN: AAF 263; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 92 or College Level Math 61; ACT: Math 24; SAT 2016: Math 550; PSAT 10 (2016): Mathematics 27.0 (GPA does NOT apply for this MATH requirement.)	2564	Pre-Calculus: Algebra
*MATH 137 Trigonometry with Analytic Geometry, 3 cr	MATH: KASTEM 70 ; ACCUPLACER NEXT GEN: AAF 263; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 92 or College Level Math 61; ACT: Math 24; SAT 2016: Math 550; PSAT 10 (2016): Mathematics 27.0 (GPA does NOT apply for this MATH requirement.)	2566	Pre-Calculus: Trigonometry
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*MATH 201 Brief Calculus I, 3 cr	PREREQUISITE(S): MATH 136, College Algebra OR MATH: KACALC 95 ; ACCUPLACER NEXT GEN: AAF 263; ACCUPLACER Standard: College Level Math 61; IDOE/ITCC ACCUPLACER Diagnostic: College Level Math 61 (GPA does NOT apply for this MATH requirement.)	2544	No comparable DOE approved course. When MATH 201 is taught, the Ivy Tech syllabus must be used and 2544 Advanced Math, College Credit is used for posting to the high school transcript.
*MATH 211 Calculus I, 4 cr	PREREQUISITE(S): MATH 136, College Algebra AND MATH 137, Trigonometry with Analytic Geometry OR MATH: KACALC 95 ; ACCUPLACER NEXT GEN: AAF 286; ACCUPLACER Standard: College Level Math 61; IDOE/ITCC ACCUPLACER Diagnostic: College Level Math 61 (GPA does NOT apply for this MATH requirement.)	2562 or 2527	AP Calculus AB or Calculus
*MATH 212 Calculus II, 4 cr	PREREQUISITE(S): MATH 211, Calculus I	2544	No comparable DOE approved course. When MATH 212 is taught, the Ivy Tech syllabus must be used and 2544 Advanced Math, College Credit is used for posting to the high school transcript.
MEAS 222 Medical Assisting Scribe Specialist, 3 cr	PREREQUISITE(S): Program Chair Approval Required	6138	Advanced Career & Technical Education College Credit: Health Science

MEAS 223 Medical Assisting Scribe Specialist Externship, 3 cr	PREREQUISITE(S): MEAS 222, Medical Assisting Scribe Specialist	6138	Advanced Career & Technical Education College Credit: Health Science
MEAS 225 CCMA Development Prep, 6 cr	PREREQUISITE(S): Program Chair Approval Required	6138	Advanced Career & Technical Education College Credit: Health Science
MKTG 101 Principles of Marketing, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAQR 55 ; KASTEM 50 ; KATECH 55; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5914	Principles of Marketing
MKTG 230 Consumer Behavior, 3 cr	PREREQUISITE(S): MKTG 101, Principles of Marketing	5918	Strategic Marketing
MPRO 100 Intro to Plant Floor and CNC Principles, 3 cr	None	4796	HIRE Technology/Introduction to Advanced Manufacturing and Logistics
MPRO 102 Introduction to Print Reading, 3 cr	None	5608	HIRE Technology/Advanced Manufacturing I
MPRO 106 Introduction to the Workplace and Safety, 3 cr	None	4796	HIRE Technology/Introduction to Advanced Manufacturing and Logistics
MPRO 122 Mechatronics Electrical Systems, 3 cr	None	5608	HIRE Technology/Advanced Manufacturing I
MPRO 201 Lean Manufacturing, 3 cr	None	5608	HIRE Technology/Advanced Manufacturing I
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
MTTC 101 Introduction to Machining, 3 cr	None	5782 or 5608	Precision Machining I or Advanced Manufacturing I
MTTC 102 Turning Processes I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5782 or 6146	Precision Machining I or Advanced CTE, College Credit: Advanced Manufacturing
MTTC 103 Milling Processes I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5782 or 6146	Precision Machining I or Advanced CTE, College Credit: Advanced Manufacturing
MTTC 105 Abrasive Processes I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5784 or 6146	Precision Machining II or Advanced CTE, College Credit: Advanced Manufacturing
MTTC 106 Print Interpretation, 3 cr	None	5782 or 5784	Precision Machining I or Precision Machining II
MTTC 107 CNC Set Up and Operations I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5784 or 5606	Precision Machining II or Advanced Manufacturing II
MTTC 110 Turning & Milling Processes, 3 cr	None	5782	Precision Machining I
MTTC 208 CNC Mill Programming, 3 cr	PREREQUISITE(S): Program Advisor Approval	6146	Advanced CTE, College Credit: Advanced Manufacturing
MTTC 209 CNC Lathe Programming, 3 cr	PREREQUISITE(S): Program Advisor Approval	6146	Advanced CTE, College Credit: Advanced Manufacturing
NETI 104 Introduction to Networking, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5234	Networking I: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.

NETI 105 Network Fundamentals, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 50 ; ACCUPLACER NEXT GEN: QAS 237; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	5234	Networking I: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
NETI 109 Networking I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5234	Networking I: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
NETI 115 Routing and Switching, 3 cr	PREREQUISITE(S): NETI 105, Network Fundamentals	5234	Networking I: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
NETI 119 Networking II, 3 cr	PREREQUISITE(S): NETI 109, Networking I OR NETI 105, Network Fundamentals	5234	Networking I: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
NETI 205 Scaling Networks, 3 cr	PREREQUISITE(S): NETI 115, Routing and Switching	4588	Networking II: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
NETI 209 Networking III, 3 cr	PREREQUISITE(S): NETI 119, Networking II OR a current, valid CCENT Certification	4588	Networking II: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
NETI 215 Connecting Networks, 3 cr	PREREQUISITE(S): NETI 205, Scaling Networks	4578	Information Technology: Special Topics
NETI 218 Cisco Certified Network Associate v7 Bridging Content, 1 cr	PREREQUISITE(S): NETI 115, Routing and Switching OR NETI 215, Connecting Networks OR Valid CCNA Certification completed before 2/24/2020 AND Program Chair Approval	4578	Information Technology: Special Topics
PAET 100 Introduction to Precision Agriculture, 3 cr	None	6150	Agriculture: Special Topics
PAET 107 Unmanned Aerial Systems in Precision Agriculture, 3 cr	None	6130	Advanced Career & Technical Education, College Credit; Agriculture
PAET 280 CO-OP Internship, 1-3 cr	PREREQUISITE(S): Program Advisor Approval	6130	Advanced Career & Technical Education, College Credit; Agriculture
PARM 102 Emergency Medical Technician, 7.5 cr	PREREQUISITE(S): 1. 18 years of age <i>prior</i> to course completion 2. Prior to clinical rotations, students must complete: ● Completion of the College Health Examination Form and required immunizations and tests, regionally determined ● Background Check ● Drug Test 3. Current Health Care Provider CPR card	5210	Emergency Medical Services
*PHIL 101 Introduction to Philosophy, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1574	No comparable DOE approved course. When PHIL 101 is taught, the Ivy Tech syllabus must be used and 1574 Advanced Social Sciences, College Credit is used for posting to the high school transcript.
*PHIL 102 Introduction to Ethics, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1574	No comparable DOE approved course. When PHIL 102 is taught, the Ivy Tech syllabus must be used and 1574 Advanced Social Sciences, College Credit is used for posting to the high school transcript.

*PHIL 220 Philosophy of Religion, 3 cr	PREREQUISITE(S): ENGL 111, English Composition	1574	No comparable DOE approved course. When PHIL 220 is taught, the Ivy Tech syllabus must be used and 1574 Advanced Social Sciences, College Credit is used for posting to the high school transcript.
PHOT 104 Basic Photography, 3 cr	None	5570	Commercial Photography
*PHYS 101 Physics I, 4 cr	PREREQUISITE(S): MATH 121, Geometry-Trigonometry OR MATH 137 Trigonometry with Analytic Geometry OR KACALC 95	3080	AP Physics I: Algebra-Based
*PHYS 102 Physics II, 4 cr	PREREQUISITE(S): PHYS 101, Physics I	3081	AP Physics II: Algebra-Based
*PHYS 220 Mechanics, 5 cr	PREREQUISITE(S): MATH 211, Calculus I	3088	AP Physics C (L)
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*PHYS 221 Heat, Electricity and Optics, 5 cr	PREREQUISITE(S): PHYS 220, Mechanics AND MATH 212, Calculus II	3088	AP Physics C (L)
PLTW BIOT 107 Human Body Systems & Biomedical Interventions, 4 cr	None	5219	Biomedical Innovation PLTW
PLTW DESN 101 (IED) Intro to Design Technology, 3 cr	None	4802	Introduction to Engineering Design (IED) (CTE DC)
PLTW DESN 104 (POE) Mechanical Graphics, 3 cr	PREREQUISITE(S): DESN 101, Introduction to Design Technology or PLTW IED	5644	Principles of Engineering (POE) (CTE DC)
PLTW DESN 105 (CEA) Architectural Design I, 3 cr	PREREQUISITE(S): DESN 101, Introduction to Design Technology or PLTW IED	5650	Civil Engineering and Architecture (CEA) (CTE DC)
PLTW DESN 113 (IED) 2D Computer-Aided Design, 3 cr	PREREQUISITE(S)/COREQUISITE(S): DESN 101, Introduction to Design Technology or PLTW IED	4802	Introduction to Engineering Design (IED) (CTE DC)
PLTW DESN 195 (CIM) Manufacturing Principles & Design, 3 cr	PREREQUISITE(S): DESN 113, 2D Computer Aided Design (CAD)	5534	Computer Integrated Manufacturing (CIM) PLTW (CTE DC)
PLTW EECT 112 (DE) Digital Fundamentals, 3 cr	MATH: KASTEM 70 , ACCUPLACER NEXT GEN: AAF 250; ACCUPLACER Standard: Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 70; ACT: Math 20; SAT 2016: Math 510; PSAT 10 (2016): Mathematics 25 (GPA does NOT apply for this MATH requirement.)	5538	Digital Electronics (DE) (CTE DC)
*POLS 101 Introduction to American Government and Politics, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1540 or 1560	US Government (must be at an advanced or honors level) or AP US Government & Politics
*POLS 201 Introduction to Political Science, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1574	No comparable DOE approved course. When POLS 201 is taught, the Ivy Tech syllabus must be used and 1574 Advanced Social Sciences, College Credit is used for posting to the high school transcript.
*POLS 211 Introduction to World Politics, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1552	AP Comparative Government and Politics
*PSYC 101 Introduction to Psychology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1532 or 1558	Psychology (must be at an advanced or honors level) or AP Psychology
*SCIN 100 Earth Science, 4 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KASTEM 50 ; KACALC 95 ; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3046	Earth and Space Science II (L)

Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
*SCIN 111 Physical Science, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: KAGR 55 ; KASTEM 50 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40; IDOE/ITCC ACCUPLACER Diagnostic: 45; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2015) Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	3086	Physics II
SDEV 120 Computing Logic, 3 cr	MATH: KAGR 55 ; KASTEM 70 ; ACCUPLACER NEXT GEN: QAS 250; ACCUPLACER Standard: Elementary Algebra 40 or Arithmetic 60; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 34; ACT: Math 18; SAT 2016: Math 500; PSAT 10 (2016): Mathematics 24.5; Current High School Transcript cumulative, unweighted OR unweighted GPA: 2.6 on a 4-point scale. Must be Core 40 and have four semesters completed.	4801	Computer Science I
SDEV 140 Introduction to Software Development, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : SDEV 120, Computing Logic AND MATH: KASTEM 70 ; KACALC 95 ; ACCUPLACER NEXT GEN: AAF 237; ACCUPLACER Standard Elementary Algebra 74; IDOE/ITCC ACCUPLACER Diagnostic: Elementary Algebra 70; ACT: Math 20; SAT 2016: Math 510; PSAT 10 (2015) Mathematics 25.0 (GPA does NOT apply for this MATH requirement.)	5236	Computer Science II: Programming
*SOCI 111 Introduction to Sociology, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	1534	Sociology
*SOCI 252 Social Problems, 3 cr	<u>PREREQUISITE(S)</u> : SOCI 111, Introduction to Sociology	1574	No comparable DOE approved course. When SOCI 252 is taught, the Ivy Tech syllabus must be used and 1574 Advanced Social Sciences, College Credit is used for posting to the high school transcript.
*SPAN 101 Spanish Level I, 4 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2124	Spanish III
*SPAN 102 Spanish Level II, 4 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : SPAN 101, Spanish Level I OR WebCAPE 270 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2124	Spanish III
*SPAN 201 Spanish Level III, 3 cr	<u>PREREQUISITE(S)</u> : SPAN 102, Spanish Level II OR WebCAPE 346 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2126 or 2132	Spanish IV or AP Spanish Language
*SPAN 202 Spanish Level IV, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : SPAN 201, Spanish Level III OR WebCAPE 428 WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	2126 or 2132	Spanish IV or AP Spanish Language
SUST 100 Introduction to Renewable Energy Systems, 3 cr	None	5229	Sustainable Energy Alternatives
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
SUST 101 Wind Power, 3 cr	None	6126	No comparable DOE course. When SUST 101 is taught, 6146 Advanced Career and Technical Education, college credit is used for posting to the high school transcript.

SUST 123 Fundamentals of Biofuel Production, 3 cr	None	6126	No comparable DOE course. When SUST 123 is taught, 6146 Advanced Career and Technical Education, college credit is used for posting to the high school transcript.
SVAD 111 Linux and Virtualization Technologies Fundamentals, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : ITSP 135 Hardware/Software Support	5257	Networking II: Servers
SVAD 121 Enterprise Computing, 3 cr	<u>PREREQUISITE(S)</u> : ITSP 135 Hardware/Software Support AND <u>COREQUISITE(S)</u> : NETI 105 Network Fundamentals	5257	Networking II: Servers
TRCK 100 Diesel Preventive Maintenance, 3 cr	None	5624	Diesel Service Technology II
TRCK 101 HD Truck Preventive Maintenance, 3 cr	None	5620	Diesel Service Tech I
TRCK 121 HD Truck Preventive Maintenance, 3 cr	None	5620 or 5624	Diesel Service Tech I & II
VIDT 210 Production Editing I, 3 cr	<u>PREREQUISITE(S)</u> : VISC 105, Video and Sound	5992	Radio and Television II
VISC 101 Fundamentals of Design, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4050 or 4834	AP 2-D Art and Design or Design Fundamentals
VISC 102 Fundamentals of Imaging, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4082 or 4086 or 5550	Digital Design or Visual Communication or Graphic Design and Layout
VISC 105 Video & Sound, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5232 or 5986	Interactive Media or Radio and Television I
VISC 110 Introduction to Web and Social Media, 3 cr	<u>PREREQUISITE(S)</u> : VISC 101, Fundamentals of Design AND VISC 115, Introduction to Computer Graphics OR VISC 102, Fundamentals of Imaging	4574	Web Design
VISC 111 Drawing for Visualization, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4048 or 4060	AP Drawing or Drawing
VISC 115 Introduction to Computer Graphics, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4082 or 4086 or 5232 or 4516 or 5550	Digital Design or Visual Communication or Interactive Media or Computer Illustration and Graphics or Graphic Design and Layout
WELD 100 Welding Fundamentals, 3 cr	None	5776	Welding Technology I
WELD 108 Shielded Metal Arc Welding I, 3 cr	None	5776	Welding Technology I
WELD 109 Oxy-Fuel Gas Welding & Cutting, 3 cr	None	5778	Welding Technology II
WELD 206 Advanced Shielded Metal Arc Welding II, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : WELD 108, Shielded Metal Arc Welding I	5776	Welding Technology I
WELD 207 Gas Metal Arc (MIG) Welding, 3 cr	None	5778	Welding Technology II
WELD 208 Gas Tungsten Arc (TIG) Welding, 3 cr	None	5778	Welding Technology II
Ivy Tech Course Number & Name	Course Prerequisites	IDOE #	IDOE State Approved Course Title
WELD 272 Advanced Gas Metal (MIG) Welding II, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : WELD 207, Gas Metal Arc (MIG) Welding	5778	Welding Technology II
WELD 273 Advanced Gas Tungsten Arc Welding II, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : WELD 208, Gas Tungsten Arc (TIG) Welding	5778	Welding Technology II