

Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

[Effective July 1, 2019 - June 30, 2020]

Ivy Tech Course Number & Name	2019-20 Course Prerequisites for Dual Credit [Yellow Highlighting reflects quick reference to 2019-20 changes.] (Please check for the most current Course Outline of Record at https://wwwapps.ivytech.edu/cgi-bin/cor3/gpcourse_list.cgi)	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: ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed.	4524 or 4522	Intro to Accounting or 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	5608	Advanced Manufacturing I
ADMF 102 Technology in Advanced Manufacturing, 3 cr	None	5606	Advanced Manufacturing II
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	5606 or 5610	Advanced Manufacturing II or Industrial Automation and Robotics I
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	<u>PREREQUISITE(S)/COREQUISITE(S):</u> 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

*Bold Indicates Core Transfer Library (CTL) Courses

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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 102 Agribusiness and Farm Management, 3 cr	None	5002	Agribusiness Management
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
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 119 Sustainable and Alternative Energy, 3 cr	None	5229	Sustainable Energy Alternatives
AGRI 164 Landscape Design I, 3 cr	None	5136	Landscape Management I
APHY 101 Anatomy & Physiology I, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	5276	Anatomy & Physiology

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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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4025	Art History, AP
*ARTH 102 Survey of Art and Culture II, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4024 or 4020	Art History or Advanced Art History
*ARTS 100 Life and Object Drawing I, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4048 or 4060	Studio Art: Drawing Portfolio or Advanced Placement Drawing
ARTS 102 Color and Design Theory, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4050	Studio Art (2D Design Portfolio), Advanced Placement
ARTS 103 Three Dimensional Design, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4052	Studio Art (3D Design Portfolio), Advanced Placement
*ASTR 101 Solar System Astronomy, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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 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

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AUTI 121 Brake Systems, 3 cr	PREREQUISITE(S)/COREQUISITE(S): 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	PREREQUISITE(S)/COREQUISITE(S): AUTI 111 Electrical Systems I	5510 or 5646	Automotive Services Technology I or Automotive Services Technology II
AUTI 131 Engine Performance Systems I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): AUTI 111 Electrical Systems I	5546	Automotive Services Technology II
AUTI 141 Engine Fundamentals and Repair, 3 cr	PREREQUISITE(S)/COREQUISITE(S): 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	Aviation Operations
AVIT 120 Private Pilot Theory, 6 cr	None	5524	Aviation Flight
AVIT 132 Aviation Operations, 3 cr	PREREQUISITE(S)/COREQUISITE(S): AVIT 111, Introduction to Aviation Technology	5528	Aviation Operations
AVIT 135 Aviation Security & Management Systems, 3 cr	PREREQUISITE(S): AVIT 111, Introduction to Aviation Technology	5528	Aviation Operations
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 Intro to Construction Technology, 3 cr	None	5578 or 5580	Construction Trades I or Construction Trades II
BCTI 101 Intro to Carpentry, Part 1, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 100, Intro to Construction Technology	5578 or 5580	Construction Trades I or Construction Trades II
BCTI 102 Intro to Carpentry, Part 2, 3 cr	PREREQUISITE(S)/COREQUISITE(S): BCTI 101, Intro to Carpentry, Part 1	5578 or 5580	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	5578 or 5580	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	5578 or 5580	Construction Trades I or Construction Trades II

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BCTI 110 Introduction to Concrete Finishing, 3 cr	<u>PREREQUISITE(S)</u> : BCTI 100, Intro to Construction Technology	5580	Construction Trades I
BCTI 130 Intro to Electrical, 3 cr	None	4830 or 4832	Construction Trades: Elec. I or Construction Trades: Elec. II
BCTI 131 Electrical, Part 1, 3 cr	<u>PREREQUISITE(S)</u> : BCTI 130, Intro to Electrical	4832	Construction Trades: Elec II
BCTI 132 Electrical, Part 2, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : BCTI 131, Electrical, Part 1	4832	Construction Trades: Elec II
BCTI 140 Introduction to Masonry, 3 cr	<u>PREREQUISITE(S)</u> : BCTI 100, Intro to Construction Technology	5580	Construction Trades I
BCTI 150 Introduction to Plumbing, Part 1, 3 cr	<u>PREREQUISITE(S)</u> : BCTI 100, Intro to Construction Technology	5580	Construction Trades I
BCTI 151 Introduction to Plumbing, Part 2, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : BCTI 150, Introduction to Plumbing, Part 1	5578	Construction Trades II
BCTI 201 Carpentry Forms, Part 1, 3 cr	<u>PREREQUISITE(S)</u> : BCTI 100, Intro to Construction Technology	5578 or 5580	Construction Trades I or Construction Trades II
*BIOL 100 Human Biology, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic or 86 College Level; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	3020	Biology, AP

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*BIOL 107 Biology II - Diversity of Life, 5 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic or 86 College Level; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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. (must be 2 semesters)
BIOL 120 Environmental Science, 4 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic or 86 College Level; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	3010 or 3012	Environmental Science, Advanced or Environmental Science, AP
*BIOL 211 Microbiology I, 3 cr	<u>PREREQUISITE(S)</u> : BIOL 105, Biology I OR BIOL 121, General Biology OR APHY 101, Anatomy and Physiology I OR <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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 Processes, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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.
BIOT 107, Human Body Systems & Biomedical Interventions	None	5219	Biomedical Innovation PLTW

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BOAT 207 Integrated Microsoft Office Applications, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	4564	Advanced Business College Credit
*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
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
*CHEM 101 Introductory Chemistry I, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 74 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic Elementary Algebra 70; ACT 20; SAT 2016 510 MATH; PSAT 2015 25 Mathematics. (GPA does not apply for this MATH score.)	3066 or 3090	Chemistry II (L) or Advanced Science, College Credit
*CHEM 105 General Chemistry I, 5 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 61 College Level Math; IDOE/ITCC ACCUPLACER Diagnostic 61 College Level Math OR <u>PREREQUISITE(S)</u> : MATH 136, College Algebra <u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 (GPA does not apply for this MATH score.)	3060	Chemistry, AP
*CHEM 106 General Chemistry II, 5 cr	<u>PREREQUISITE(S)</u> : 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. (must be 2 semesters)
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.

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*CINS 101 Introduction to Microcomputers, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	4528	Digital Applications and Responsibility
*COMM 101 Fundamentals of Public Speaking, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	1078	Advanced Speech and Communication
*COMM 102 Introduction to Interpersonal Communication, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	1078	Advanced Speech and Communication
*CRIM 101 Introduction to Criminal Justice Systems, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5822	Criminal Justice I
CRIM 103 Cultural Awareness, 3cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5824	Criminal Justice II
CRIM 105 Introduction to Criminology, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5822	Criminal Justice I
CRIM 110 Introduction to Law Enforcement, 3 cr	<u>PREREQUISITE(S)</u> : CRIM 101, Introduction to Criminal Justice Systems	5824	Criminal Justice II
DBMS 110 Database Design and Management, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : INFM 109, Informatics Fundamentals.	5250	Computer Science III: Databases
DENT 115 Preclinical Practice I and II, 4 cr	<u>PREREQUISITE(S)</u> : Admission to the Dental Assisting program – approval permit on SFASPRO	5203	Dental Careers I
DENT 124 Preventive Dentistry/Diet and Nutrition, 2 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : DENT 115, Preclinical Practice I and II <u>AND</u> DENT 123, Dental Anatomy– approval permit on SFASPRO	5204	Dental Careers II
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	<u>PREREQUISITE(S)</u> : DESN 101, Introduction to Design Technology	4838	Mechanical Drafting & Design II
DESN 105 Architectural Design I, 3 cr	<u>PREREQUISITE(S)</u> : DESN 101, Introduction to Design Technology	5652	Architectural Drafting and Design II
DESN 113 2D Computer-Aided Design (CAD), 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : DESN 101, Introduction to Design Technology	4836 or 5640	Mechanical Drafting and Design I or Architectural Drafting I

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ECED 100 Introduction to Early Childhood Education, 3 cr	<u>WRITING</u> : ACCUPLACER Standard 60; ACCUPLACER Diagnostic WritePlacer 2; ACT 17; SAT 2016 27; SAT 2016 Ev-Based R/W 510; PSAT 2015 26; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed. <u>READING</u> : ACCUPLACER Standard 55; IDOE/ITCC ACCUPLACER Diagnostic 25; ACT 18; SAT 2016 25; SAT 2016 Ev-Based R/W 510; PSAT 2015 25; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed.	5412	Early Childhood Education I
ECED 101 Health, Safety and Nutrition, 3 cr	<u>WRITING</u> : ACCUPLACER Standard 60; ACCUPLACER Diagnostic WritePlacer 2; ACT 17; SAT 2016 27; SAT 2016 Ev-Based R/W 510; PSAT 2015 26; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed. <u>READING</u> : ACCUPLACER Standard 55; IDOE/ITCC ACCUPLACER Diagnostic 25; ACT 18; SAT 2016 25; SAT 2016 Ev-Based R/W 510; PSAT 2015 25; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed.	5412	Early Childhood Education I
ECED 103 Curriculum in Early Childhood Classroom, 3 cr	<u>WRITING</u> : ACCUPLACER Standard 60; ACCUPLACER Diagnostic WritePlacer 2; ACT 17; SAT 2016 27; SAT 2016 Ev-Based R/W 510; PSAT 2015 26; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed. <u>READING</u> : ACCUPLACER Standard 55; IDOE/ITCC ACCUPLACER Diagnostic 25; ACT 18; SAT 2016 25; SAT 2016 Ev-Based R/W 510; PSAT 2015 25; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed.	5412 or 5406	Early Childhood Education I or Early Childhood Education II
ECED 105 CDA Process, 3 cr	<u>PREREQUISITE(S)</u> : 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	<u>PREREQUISITE(S)</u> : ENGL 111, English Composition	5408	Education Professions I
*ECON 101 Economics Fundamentals, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	1514	Economics (must be at an advanced or honors level)

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*ECON 201 Principles of Macroeconomics, 3 cr	PREREQUISITE(S): ENGL 111, English Composition AND MATH: ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	1564 or 1574	Macroeconomics, AP or Advanced Social Sciences, College Credit
*ECON 202 Principles of Microeconomics, 3 cr	PREREQUISITE(S): ENGL 111, English Composition AND MATH: ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	1566 or 1574	Microeconomics, AP or Advanced Social Sciences, College Credit
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	PREREQUISITE(S): ENGL 111, English Composition	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
EECT 101 Intro to Electronics & Projects, 3 cr	None	5684	Electronics and Computer Tech I
EECT 112 Digital Fundamentals, 3 cr	MATH: ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	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)

*Bold Indicates Core Transfer Library (CTL) Courses

Yellow Highlighted Cells Reflect 2019-20 Course Pre Req Changes

Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

[Effective July 1, 2019 - June 30, 2020]

Ivy Tech Course Number & Name	2019-20 Course Prerequisites for Dual Credit [Yellow Highlighting reflects quick reference to 2019-20 changes.] (Please check for the most current Course Outline of Record at https://wwwapps.ivytech.edu/cgi-bin/cor3/gpcourse_list.cgi)	IDOE #	IDOE State Approved Course Title
*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.
*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.
*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.

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Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

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*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 positing 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: ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45 Elementary Algebra; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	5966	Entrepreneurship and New Ventures
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
*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	2024	French III
*FREN 201 French Level III, 3 cr	PREREQUISITE(S): FREN 102, French Level II OR WebCAPE 337	2026 or 2032	French IV or French Language, AP
*FREN 202 French Level IV, 3 cr	PREREQUISITE(S)/COREQUISITE(S): FREN 201, French Level III OR WebCAPE 403	2026 or 2032	French IV or French Language, AP
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	2044	German III
GERM 201 German Level III, 3 cr	PREREQUISITE(S): GERM 102, German Level II	2046 or 2052	German IV or German Language, AP
GERM 202 German Level IV, 3 cr	PREREQUISITE(S)/COREQUISITE(S): GERM 201, German Level III	2046 or 2052	German IV or German Language, AP
*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 US History, AP

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*HIST 102 Survey of American History II, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	1542 or 1562	US History (Must be at an advanced or honors level) or US History, AP
HIST 111 World Civilization I, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	1548	World History and Civilization
HLHS 100 Introduction to Health Careers, 3 cr	None	5282	Health Science Education I
*HLHS 101 Medical Terminology, 3cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5274	Medical Terminology
HLHS 102 Essential Anatomy and Physiology, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5282	Health Science Education I
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	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5366	Human Development and Wellness
HLHS 113 Dementia Care, 3 cr	None	5282 or 5284	Health Science Education I or Health Science Education II: Nursing
HOSP 101 Sanitation and Safety, 2 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 102 Basic Food Theory and Skills, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S):</u> HOSP 101, Sanitation and Safety	5440	Culinary Arts and Hospitality I
HOSP 104 Nutrition, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> 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	<u>PREREQUISITE(S)/COREQUISITE(S):</u> HOSP 101, Sanitation and First Aid	5346	Culinary Arts and Hospitality II: Culinary
HOSP 114 Introduction to Hospitality, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 171 Introduction to Convention/Meeting Management, 3 cr	<u>WRITING:</u> Program Ready - see page 1 <u>READING:</u> Program Ready - see page 1	5440	Culinary Arts and Hospitality I
HOSP 215 Front Office, 3 cr	<u>PREREQUISITE(S):</u> HOSP 114, Introduction to Hospitality	5458	Culinary Arts and Hospitality II: Hospitality Management

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HOSP 272 The Tourism System, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic or 86 College Level; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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 Introduciton to Public Safety, 3 cr	None	5210 or 5820 or 5822	Emergency Medical Services or Fire and Rescue I or Criminal Justice 1
HSPS 106 Fire Suppression, 3 cr	None	5820	Fire and Rescue I
HSPS 120 Incident Management Systems I	<u>PREREQUISITE(S)</u> : HSPS 102, Introduction to Public Safety	5820	Fire and Rescue I
HSPS 121 Hazmat Awareness, 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	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : HSPS 165, Fire Fighter I	5820	Fire and Rescue I
*HUMA 100 Theatre Appreciation, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5462	Human and Social Services II
HUMS 109 Understanding Diversity, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	5462	Human and Social Services II

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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	Construction Trades: HVAC I
HVAC 122 General Maintenance, 3 cr	None	5496	Construction Trades: HVAC I
INDT 103 Motors & Motor Controls, 3 cr	PREREQUISITE(S): INDT 113, Basic Electricity	5686	Industrial Technical Maintenance I
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	5684 or 4830 or 5610 or 5616 or	Electronics and Computer Tech. I or Construction Trades: Elec. I or Industrial Automation and Robotics I or Energy Industry I
INDT 114 Introductory Welding, 3 cr	None	5776	Welding Technology I
INDT 203 Machine Maintenance and Installation, 3 cr	None	5612	Industrial Automation and Robotics II
INDT 205 Programmable Logic Controllers I, 3 cr	PREREQUISITE(S): INDT 113, Basic Electricity	5612	Industrial Automation and Robotics II
INFM 109 Informatics Fundamentals, 3 cr	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

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LOGM 201 Logistics Quality & Lean Management, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	5601	Supply Chain Management and Logistics
MATH 123 Quantitative Reasoning, 3 cr	<u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	2550	Quantitative Reasoning
*MATH 135 Finite Math, 3 cr	<u>MATH</u> : ACCUPLACER Standard 74 Elementary Algebra; IDOE/ ITCC ACCUPLACER Diagnostic 92 Elementary Algebra or 61 College Level Math; ACT 24; SAT 2016 550 Math; PSAT 2015 27.0 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	2530	Finite Mathematics
*MATH 136 College Algebra, 3 cr	<u>MATH</u> : ACCUPLACER Standard 74 Elementary Algebra; IDOE/ ITCC ACCUPLACER Diagnostic 92 Elementary Algebra or 61 College Level Math; ACT 24; SAT 2016 550 Math; PSAT 2015 27.0 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	2564	Pre-Calculus
*MATH 137 Trigonometry with Analytic Geometry, 3 cr	<u>MATH</u> : ACCUPLACER Standard 74 Elementary Algebra; IDOE/ ITCC ACCUPLACER Diagnostic 92 Elementary Algebra or 61 College Level Math; ACT 24; SAT 2016 550 Math; PSAT 2015 27.0 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	2566	Trigonometry

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*MATH 201 Brief Calculus I, 3 cr	PREREQUISITE(S): MATH 136, College Algebra OR MATH: ACCUPLACER Standard 61 College Level Math; IDOE/ITCC ACCUPLACER Diagnostic 61 College Level Math	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: ACCUPLACER Standard 61 College Level Math; IDOE/ITCC ACCUPLACER Diagnostic 61 College Level Math (GPA does NOT apply for this MATH score.)	2562 or 2527	Calculus AB, AP 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.
MKTG 101 Principles of Marketing, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1 MATH: ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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 Introduction 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

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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	Precision Machining I
MTTC 103 Milling Processes I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5782	Precision Machining I
MTTC 105 Abrasive Processes I, 3 cr	PREREQUISITE(S)/COREQUISITE(S): MTTC 101 Introduction to Machining	5784	Precision Machining II
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
NETI 105 Network Fundamentals, 3 cr	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 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 215 Connecting Networks, 3 cr	PREREQUISITE(S): NETI 205, Scaling Networks	4588	Networking II: Infrastructure. Must follow the Cisco Network Academy CCNA Routing and Switching Curriculum.
PARM 102 Emergency Medical Technician, 7.5 cr	PREREQUISITE(S): 1. 18 years of age prior 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

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*PHIL 101 Introduction to Philosophy, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>PREREQUISITE(S)</u> : 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	<u>PREREQUISITE(S)</u> : MATH 121, Geometry-Trigonometry OR MATH 137 Trigonometry with Analytic Geometry OR ACCUPLACER Standard 61 College Level Math; IDOE/ITCC ACCUPLACER Diagnostic 61 College Level Math (GPA does not apply for this math score.)	3080	Physics I: Algebra-Based, AP
*PHYS 102 Physics II, 4 cr	<u>PREREQUISITE(S)</u> : PHYS 101, Physics I	3081	Physics II: Algebra-Based, AP
*PHYS 220 Mechanics, 5 cr	<u>PREREQUISITE(S)</u> : MATH 211, Calculus I	3088	Physics C, AP (L) (must be 2 semesters)
*PHYS 221 Heat, Electricity and Optics, 5 cr	<u>PREREQUISITE(S)</u> : PHYS 220, Mechanics AND MATH 212, Calculus II	3088	Physics C, AP (L) (must be 2 semesters)
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 or 4812	Introduction to Engineering Design (IED) Non-PLTW or Introduction to Engineering Design (IED) PLTW

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PLTW DESN 104 (POE) Mechanical Graphics, 3 cr	<u>PREREQUISITE(S)</u> : DESN 101, Introduction to Design Technology or PLTW IED	5644 or 4814	Principles of Engineering (POE) Non-PLTW or Principles of Engineering (POE) PLTW
PLTW DESN 105 (CEA) Architectural Design I, 3 cr	<u>PREREQUISITE(S)</u> : DESN 101, Introduction to Design Technology or PLTW IED	5650 or 4820	Civil Engineering and Architecture (CEA) Non-PLTW or Civil Engineering and Architecture (CEA) PLTW
PLTW DESN 113 (IED) 2D Computer-Aided Design, 3 cr	<u>PREREQUISITE(S)/COREQUISITE(S)</u> : DESN 101, Introduction to Design Technology or PLTW IED	4802 or 4812	Introduction to Engineering Design (IED) Non-PLTW or Introduction to Engineering Design (IED) PLTW
PLTW DESN 195 (CIM) Manufacturing Principles & Design, 3 cr	<u>PREREQUISITE(S)</u> : DESN 113, 2D Computer Aided Design (CAD)	5534	Computer Integrated Manufacturing (CIM) PLTW
PLTW EECT 112 (DE) Digital Fundamentals, 3 cr	<u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	5538 or 4826	Digital Electronics (DE) Non-PLTW or Digital Electronics (DE) PLTW
*POLS 101 Introduction to American Government and Politics, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	1540 or 1560	US Government (must be at an advanced or honors level) or US Government & Politics, AP
*POLS 201 Introduction to Political Science, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	1552	Comparative Government and Politics, AP
*PSYC 101 Introduction to Psychology, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1	1532 or 1558	Psychology (must be at an advanced or honors level) or Psychology, AP

*Bold Indicates Core Transfer Library (CTL) Courses

Yellow Highlighted Cells Reflect 2019-20 Course Pre Req Changes

Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

[Effective July 1, 2019 - June 30, 2020]

Ivy Tech Course Number & Name	2019-20 Course Prerequisites for Dual Credit [Yellow Highlighting reflects quick reference to 2019-20 changes.] (Please check for the most current Course Outline of Record at https://wwwapps.ivytech.edu/cgi-bin/cor3/gpcourse_list.cgi)	IDOE #	IDOE State Approved Course Title
*SCIN 100 Earth Science, 4 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	3046	Earth and Space Science II (L)
*SCIN 111 Physical Science, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 45; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 24.5 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, four semesters completed	3086	Physics II
SDEV 120 Computing Logic, 3 cr	<u>READING</u> : Program Ready - see page 1 <u>MATH</u> : ACCUPLACER Standard 40 Elementary Algebra or 60 Arithmetic; IDOE/ITCC ACCUPLACER Diagnostic 34; ACT 18 Math; SAT 2016 500 Math; PSAT 2015 25 Mathematics; High School Transcript cumulative GPA 2.6 on a 4 point scale, Must be Core 40, 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 <u>MATH</u> : ACCUPLACER Standard 74 Elementary Algebra; IDOE/ITCC ACCUPLACER Diagnostic 70; ACT 20 Math; SAT 2016 510 Math; PSAT 2015 25 Mathematics (GPA does not apply for this MATH score.)	5236	Computer Science II: Programming
*SOCI 111 Introduction to Sociology, 3 cr	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	<u>WRITING</u> : Program Ready - see page 1 <u>READING</u> : 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	2124	Spanish III
*SPAN 201 Spanish Level III, 3 cr	<u>PREREQUISITE(S)</u> : SPAN 102, Spanish Level II OR WebCAPE 346	2126 or 2132	Spanish IV or Spanish Language, AP

*Bold Indicates Core Transfer Library (CTL) Courses

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Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

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Ivy Tech Course Number & Name	2019-20 Course Prerequisites for Dual Credit [Yellow Highlighting reflects quick reference to 2019-20 changes.] (Please check for the most current Course Outline of Record at https://wwwapps.ivytech.edu/cgi-bin/cor3/gpcourse_list.cgi)	IDOE #	IDOE State Approved Course Title
*SPAN 202 Spanish Level IV, 3 cr	PREREQUISITE(S)/COREQUISITE(S): SPAN 201, Spanish Level III OR WebCAPE 428	2126 or 2132	Spanish IV or Spanish Language, AP
SUST 100 Introduction to Renewable Energy Systems, 3 cr	None	5229	Sustainable Energy Alternatives
SUST 101 Wind Power, 3 cr	None	5238	No comparable DOE course. When SUST 101 is taught, 5238 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	5238	No comparable DOE course. When SUST 123 is taught, 5238 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	PREREQUISITE(S)/COREQUISITE(S): ITSP 135 Hardware/Software Support	5257	Networking II: Servers
SVAD 121 Enterprise Computing, 3 cr	PREREQUISITE(S): ITSP 135 Hardware/Software Support and/or COREQUISITE(S): NETI 105 Network Fundamentals	5257	Networking II: Servers
TRCK 100 Diesel Preventive Maintenance, 3 cr	None	5624	Diesel Service Technology II
VIDT 210 Production Editing I, 3 cr	PREREQUISITE(S): VISC 105, Video and Sound	5992	Radio and Television II
VISC 101 Fundamentals of Design, 3 cr	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4050 or 4834	Studio Art (2D Design Portfolio), Advanced Placement or Design Fundamentals
VISC 102 Fundamentals of Imaging, 3 cr	WRITING: Program Ready - see page 1 READING: 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	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	5232 or 5986	Interactive Media or Radio and Television I
VISC 110 Interactive Design, 3 cr	PREREQUISITE(S): 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	WRITING: Program Ready - see page 1 READING: Program Ready - see page 1	4048 or 4060	Studio Art (Drawing Portfolio), or Advanced Placement Drawing

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Ivy Tech Community College 2019-20 Course Prerequisites for Dual Credit

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Ivy Tech Course Number & Name	2019-20 Course Prerequisites for Dual Credit [Yellow Highlighting reflects quick reference to 2019-20 changes.] (Please check for the most current Course Outline of Record at https://wwwapps.ivytech.edu/cgi-bin/cor3/gpcourse_list.cgi)	IDOE #	IDOE State Approved Course Title
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
WELD 272 Advanced Gas Metal (MIG) Welding, 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