**Indiana Secondary Career and Technical Education Courses**

**2016-2017 Funding Chart – April 13, 2016**

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*NOTE: This document will be posted online at* [*www.doe.in.gov/cte*](http://www.doe.in.gov/cte) *as a sortable, searchable Word document. To sort, highlight the whole table and use the sort feature to sort on any heading showing in the chart’s column labels.*

| **IDOE Course Code** | **Official State Approved IDOE Course Titles** | **Cluster/** **Subject** **Area** | **Credits****Per****Semester** | **Max****Credits****Allowed** | **Demand\*** | **Wage\*** | **CTE** **Funding** **Level** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 5268 | Administrative and Office Management (replaces Advanced Business Management in 2016) | BFM | 1-2 | 4 | High | High | $500 |
| 5330 | Adult Roles and Responsibilities | ED | 1 | 1 | Foundational | Foundational | $150 per pupil |
| 4522 | Advanced Accounting (added in 2015)  | BFM | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5360 | Advanced Child Development | ED | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5070 | Advanced Life Science: Animals (L) | AG | 1 | 2 | Moderate | High | $450 |
| 5072 | Advanced Life Science: Foods (Chemistry of Foods) (L) | AG F&CS | 1 | 2 | Moderate | High | $450 |
| 5074 | Advanced Life Science: Plants and Soils (L) | AG | 1 | 2 | Moderate | High | $450 |
| 5608 | Advanced Manufacturing I | MAN | 1-3 | 6 | High | High | $500 |
| 5606 | Advanced Manufacturing II | MAN | 1-3 | 6 | High | High | $500 |
| 5340 | Advanced Nutrition and Wellness  | HHS | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5518 | Aerospace Engineering non PLTW  | ENGI | 1 | 2 | High | High | $500 |
| 4816 | Aerospace Engineering PLTW | ENGI | 1 | 2 | High | High | $500 |
| 5002 | Agribusiness Management | AG | 1 | 2 | Moderate | High | $450 |
| 5088 | Agriculture Power, Structure and Technology  | AG | 1-3 | 6 | Moderate | High | $450 |
| 5276 | Anatomy and Physiology | HS | 1 | 2 | Moderate | High | $450 |
| 5008 | Animal Science | AG | 1-3 | 6 | Moderate | High | $450 |
| 5640 | Architectural Drafting and Design I  | A&C | 1-3 | 6 | Moderate | High | $450 |
| 5652 | Architectural Drafting and Design II  | A&C | 1-3 | 6 | Moderate | High | $450 |
| 5514 | Automotive Collision Repair I (replaced Auto Collision Repair Technology I 2014) | T&L | 1-3 | 6 | High | High | $500 |
| 5544 | Automotive Collision Repair II (replaced Auto Collision Repair Technology II 2014) | T&L | 1-3 | 6 | High | High | $500 |
| 5510 | Automotive Services Technology I | T&L | 1-3 | 6 | High | High | $500 |
| 5546 | Automotive Services Technology II | T&L | 1-3 | 6 | High | High | $500 |
| 5524 | Aviation Flight | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5520 | Aviation Maintenance I (replaces Aviation Maintenance in 2016) | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5522 | Aviation Maintenance II (NEW 2016-2017) | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5528 | Aviation Operations | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5258 | Banking and Investment Capstone (replaces Banking and Investment Careers in 2016-2017) | BFM | 1-3 | 6 | High | High | $500 |
| 5344 | Biochemistry of Foods (L) (replaces Chemistry of Foods in 2016-2017) | F&CS | 1 | 2 | Moderate | High | $450 |
| 5648 | Biotechnical Engineering non PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 4818 | Biotechnical Engineering PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 5593 | Building & Facilities Maintenance I  | A&C | 1-3 | 6 | High | High | $500 |
| 5594 | Building & Facilities Maintenance II  | A&C | 1-3 | 6 | High | High | $500 |
| 5592 | Building & Facilities Management I  | A&C | 1-3 | 6 | High | High | $500 |
| 5595 | Building & Facilities Management II  | A&C | 1-3 | 6 | High | High | $500 |
| 4560 | Business Law and Ethics  | BFM | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5239 | Career & Technical Education Pilot Course: *Insert title descriptive of course content* (new 2014) | CTE | 1-3 | 6 | Introductory | Introductory | $300 per pupil |
| 5362 | Child Development | ED | 1 | 1 | Foundational | Foundational | $150 per pupil |
| 5650 | Civil Engineering and Architecture non PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 4820 | Civil Engineering and Architecture PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 5570 | Commercial Photography | AV | 1-3 | 6 | High | Moderate | $450 |
| 5534 | Computer Integrated Manufacturing non PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 4810 | Computer Integrated Manufacturing PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 4801 | Computer Science I (generic title replaced PLTW Computer Science and Software Engineering and Computer Programming I 2015-2016)  | IT | 1 | 2 | High | High | $500 |
| 5250 | Computer Science II: Databases (NEW 2015-2016) | IT | 1-3 | 6 | Moderate | High | $450 |
| 5251 | Computer Science II: Informatics (NEW 2015-2016) | IT | 1-3 | 6 | High | High | $500 |
| 5236 | Computer Science II: Programming (replaced Computer Programming II in 2015-2016)  | IT | 1-3 | 6 | High | High | $500 |
| 5252 | Computer Science II: Special Topics: Insert title descriptive of course content (NEW 2015-2016) | IT | 1-3 | 6 | High | High | $500 |
| 5230 | Computer Tech Support | IT | 1-3 | 6 | Moderate | High | $450 |
| 4800 | Computers in Design and Production | MAN | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5496 | Construction Technology HVAC I  | A&C | 1-3 | 6 | High | High | $500 |
| 5498 | Construction Technology HVAC II  | A&C | 1-3 | 6 | High | High | $500 |
| 5580 | Construction Trades I (replaced Construction Technology I 2014) |  A&C | 1-3 | 6 | High | High | $500 |
| 5578 | Construction Trades II (replaced Construction Technology II 2014) | A&C | 1-3 | 6 | High | High | $500 |
| 4830 | Construction Trades: Electrical I (replaced Construction Technology: Electrical I 2014) | A&C | 1-3 | 6 | High | High | $500 |
| 4832 | Construction Trades: Electrical II (replaced Construction Technology: Electrical II 2014) | A&C | 1-3 | 6 | High | High | $500 |
| 5497 | Construction Trades: Heavy Equipment I (replaced Construction Technology: Heavy Equip I 2014) | A&C | 1-3 | 6 | High | High | $500 |
| 5495 | Construction Trades: Heavy Equipment II (replaced Construction Technology: Heavy Equip II 2014) | A&C | 1-3 | 6 | High | High | $500 |
| 5334 | Consumer Economics | F&CS | 1 | 1 | Foundational | Foundational | $150 per pupil |
| 5802 | Cosmetology I  | HHS | 1-3 | 6 | High | Moderate | $450 |
| 5806 | Cosmetology II  | HHS | 1-3 | 6 | High | Moderate | $450 |
| 5822 | Criminal Justice I  | PS | 1-3 | 6 | High | High | $500 |
| 5824 | Criminal Justice II Advanced  | PS | 1-3 | 6 | High | High | $500 |
| 5440 | Culinary Arts and Hospitality I (replaces Culinary Arts and Hospitality Management in 2016-2017) | HHS | 1-3 | 6 | High | High | $500 |
| 5346 | Culinary Arts and Hospitality II: Culinary Arts (replaces Advanced Culinary Arts in 2016-2017 | HHS | 1-3 | 6 | High | High | $500 |
| 5458 | Culinary Arts and Hospitality II: Hospitality Management (replaces Advanced Hospitality Management in 2016-2017) | HHS | 1-3 | 6 | High | High | $500 |
| 5203 | Dental Careers I  | HS | 1-3 | 6 | High | High | $500 |
| 5204 | Dental Careers II  | HS | 1-3 | 6 | High | High | $500 |
| 5620 | Diesel Service Technology I  | T&L | 1-3 | 6 | High | High | $500 |
| 5624 | Diesel Service Technology II  | T&L | 1-3 | 6 | High | High | $500 |
| 5538 | Digital Electronics non PLTW  | ENGI | 1 | 2 | Moderate | High | $450 |
| 4826 | Digital Electronics PLTW | ENGI | 1 | 2 | Moderate | High | $450 |
| 5412 | Early Childhood Education I  | ED | 1-3 | 6 | High | High | $500 |
| 5406 | Early Childhood Education II  | ED | 1-3 | 6 | High | High | $500 |
| 5408 | Education Professions I  | ED | 1-3 | 6 | High | High | $500 |
| 5404 | Education Professions II  | ED | 1-3 | 6 | High | High | $500 |
| 5684 | Electronics and Computer Technology I  | MAN | 1-3 | 6 | Moderate | High | $450 |
| 5694 | Electronics and Computer Technology II  | MAN | 1-3 | 6 | Moderate | High | $450 |
| 5210 | Emergency Medical Services  | PS | 1-3 | 6 | High | Moderate | $450 |
| 5616 | Energy Industry I (NEW 2015-2016) | STEM | 1-3 | 6 | High | High | $500 |
| 5618 | Energy Industry II (NEW 2015-2016) | STEM | 1-3 | 6 | High | High | $500 |
| 5698 | Engineering Design and Development non PLTW  | ENGI | 1 | 2 | High | High | $500 |
| 4828 | Engineering Design and Development PLTW | ENGI | 1 | 2 | High | High | $500 |
| 5966 | Entrepreneurship and New Ventures Capstone (replaces Entrepreneurship and New Ventures in 2016-2017) | BFM | 1-3 | 6 | High | High | $500 |
| 5420 | Fashion and Textile Careers I | F&CS | 1-3 | 6 | High | High | $500 |
| 5421 | Fashion and Textile Careers II | F&CS | 1-3 | 6 | High | High | $500 |
| 5820 | Fire and Rescue I  | PS | 1-3 | 6 | High | High | $500 |
| 5826 | Fire and Rescue II  | PS | 1-3 | 6 | High | High | $500 |
| 5102 | Food Science | AG | 1 | 2 | Moderate | High | $450 |
| 5550 | Graphic Design and Layout  | AV | 1-3 | 6 | High | High | $500 |
| 5572 | Graphic Imaging Technology | AV | 1-3 | 6 | High | High | $500 |
| 5282 | Health Science Education I  | HS | 1-3 | 6 | High | High | $500 |
| 5290 | Health Science Education II: Athletic Training (NEW 2015-2016)  | HS | 1-3 | 6 | High | High | $500 |
| 5288 | Health Science Education II: Medical Forensics (NEW 2015-2016)  | HS | 1-3 | 6 | High | High | $500 |
| 5284 | Health Science Education II: Nursing  | HS | 1-3 | 6 | High | High | $500 |
| 5214 | Health Science II: Pharmacy  | HS | 1-3 | 6 | High | Moderate | $450 |
| 5215 | Health Science II: Physical Therapy  | HS | 1-3 | 6 | High | High | $500 |
| 5286 | Health Science II: Special Topics | HS | 1-3 | 6 | High | High | $500 |
| 5132 | Horticultural Science | AG | 1-3 | 6 | Moderate | High | $450 |
| 5352 | Housing and Interior Design Careers I (new in 2014) | F&CS | 1-3 | 6 | Moderate | High | $450 |
| 5460 | Housing and Interior Design Careers II (replaced Housing & Interior Design Careers I, II 2014) | F&CS | 1-3 | 6 | Moderate | High | $450 |
| 5336 | Human and Social Services I | HHS | 1-3 | 6 | High | High | $500 |
| 5462 | Human and Social Services II | HHS | 1-3 | 6 | High | High | $500 |
| 5366 | Human Development and Wellness  | HHS | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5610 | Industrial Automation and Robotics I (replaces Automation and Robotics I in 2016-2017) | MAN | 1-3 | 6 | High | High | $500 |
| 5612 | Industrial Automation and Robotics II (replaces Automation and Robotics II in 2016-2017) | MAN | 1-3 | 6 | High | High | $500 |
| 5686 | Industrial Technical Maintenance I (replaces Industrial Repair and Maintenance in 2016-2017) | A&C | 1-3 | 6 | High | High | $500 |
| 5688 | Industrial Technical Maintenance II (new in 2016-2017) | A&C | 1-3 | 6 | High | High | $500 |
| 5232 | Interactive Media  | AV | 1-3 | 6 | High | High | $500 |
| 5902 | Interdisciplinary Cooperative Education | WBL | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5364 | Interpersonal Relationships | HHS | 1 | 1/1 | Foundational | Foundational | $150 per pupil |
| 4524 | Introduction to Accounting (replaces Accounting in 2015)  | BFM | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4796 | Introduction to Advanced Manufacturing and Logistics  | MAN | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5056 | Introduction to Agriculture, Food and Natural Resources  | AG | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4790 | Introduction to Communication  | AV | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4792 | Introduction to Construction  | A&C | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5438 | Introduction to Culinary Arts and Hospitality  | HHS | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4794 | Introduction to Design Processes  | AV | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4802 | Introduction to Engineering Design non PLTW  | ENGI | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4812 | Introduction to Engineering Design PLTW | ENGI | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5380 | Introduction to Fashion and Textiles  | F&CS | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5272 | Introduction to Health Science Careers  | HS | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5350 | Introduction to Housing and Interior Design | A&C | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4784 | Introduction to Manufacturing  | MAN | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5614 | Introduction to the Energy Industry (NEW 2015-2016) | STEM | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 4798 | Introduction to Transportation | T&L | 1 | 2 | Introductory | Introductory | $300 per pupil |
| 5136 | Landscape Management I | AG | 1-3 | 6 | High | High | $500 |
| 5137 | Landscape Management II  | AG | 1-3 | 6 | High | High | $500 |
| 5982 | Marketing in Hospitality  | BFM | 1 | 2 | Low | High | $300 |
| 4836 | Mechanical Drafting and Design I  | A&C | 1-3 | 6 | Moderate | High | $450 |
| 4838 | Mechanical Drafting and Design II  | A&C | 1-3 | 6 | Moderate | High | $450 |
| 5274 | Medical Terminology | HS | 1 | 2 | Moderate | High | $450 |
| 5962 | Merchandising | BFM | 1 | 2 | Moderate | High | $450 |
| 5180 | Natural Resources  | AG | 1 | 2 | Low | High | $300 |
| 5234 | Networking I (replaces Network Fundamentals in 2016-2017) | IT | 1-3 | 6 | High | High | $500 |
| 4588 | Networking II: Infrastructure (replaces Infrastructure of the Internet in 2016-2017) | IT | 1-3 | 6 | High | High | $500 |
| 5257 | Networking II: Servers (replaces Servers and Security in 2016-2017)  | IT | 1-3 | 6 | High | High | $500 |
| 5342 | Nutrition and Wellness | HHS | 1 | 1 | Foundational | Foundational | $150 per pupil |
| 5456 | Nutrition Science Careers I | F&CS | 1-3 | 6 | High | High | $500 |
| 5457 | Nutrition Science Careers II  | F&CS | 1-3 | 6 | High | High | $500 |
| 5170 | Plant and Soil Science | AG | 1 | 2 | High | High | $500 |
| 5219 | PLTW Biomedical Innovation  | HS-B | 1 | 2 | High | High | $500 |
| 5216 | PLTW Human Body Systems  | HS-B | 1 | 2 | High | High | $500 |
| 5217 | PLTW Medical Interventions  | HS-B | 1 | 2 | High | High | $500 |
| 5218 | PLTW Principles of Biomedical Sciences  | HS-B | 1 | 2 | High | High | $500 |
| 5782 | Precision Machining I  | MAN | 1-3 | 6 | High | High | $500 |
| 5784 | Precision Machining II  | MAN | 1-3 | 6 | High | High | $500 |
| 5394 | Preparing for College and Careers  | B, F&CS | 1 | 1 | Foundational | Foundational | $150 per pupil |
| 4562 | Principles of Business Management  | BFM | 1 | 2 | High | High | $500 |
| 5644 | Principles of Engineering non PLTW  | ENGI | 1 | 2 | High | High | $500 |
| 4814 | Principles of Engineering PLTW | ENGI | 1 | 2 | High | High | $500 |
| 5914 | Principles of Marketing  | BFM | 1 | 2 | High | High | $500 |
| 5986 | Radio and Television I  | AV | 1-3 | 6 | High | High | $500 |
| 5992 | Radio and Television II  | AV | 1-3 | 6 | High | High | $500 |
| 5842 | Recreational and Mobile Equipment I  | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5844 | Recreational and Mobile Equipment II  | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5472 | Residential Property Management Careers I (replaced Residential and Commercial Facilities Management Careers I 2014)  | A&C | 1-3 | 6 | High | High | $500 |
| 5858 | Residential Property Management Careers II (replaced Residential and Commercial Facilities Management Careers II 2014)  | A&C | 1-3 | 6 | High | High | $500 |
| 5984 | Sports and Entertainment Marketing  | BFM | 1 | 2 | Low | High | $300 |
| 5918 | Strategic Marketing  | BFM | 1-2 | 4 | High | High | $500 |
| 5601 | Supply Chain Management and Logistics  | T&L | 1-3 | 6 | High | High | $500 |
| 5229 | Sustainable Energy Alternatives  | AG | 1 | 2 | Moderate | High | $450 |
| 5530 | Three D Computer Animation and Visualization | AV | 1-3 | 6 | Moderate | High | $450 |
| 5622 | Tractor/Trailer Operation | T&L | 1-3 | 3 | High | High | $500 |
| 5211 | Veterinary Careers I  | HS | 1-3 | 6 | Moderate | High | $450 |
| 5212 | Veterinary Careers II  | HS | 1-3 | 6 | Moderate | High | $450 |
| 5602 | Warehouse Operations and Materials Handling  | T&L | 1-3 | 6 | Moderate | High | $450 |
| 5776 | Welding Technology I  | MAN | 1-3 | 6 | High | High | $500 |
| 5778 | Welding Technology II  | MAN | 1-3 | 6 | High | High | $500 |
| 5975 | Work Based Learning Capstone, Advanced Manufacturing (replaces Work Based Learning, Advanced Manufacturing in 2016-2017) | MAN | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5260 | Work Based Learning Capstone, Business and Marketing (replaces Work Based Learning, Business and Marketing in 2016-2017) | BFM | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5480 | Work Based Learning Capstone, Family and Consumer Sciences (replaces Work Based Learning, Family and Consumer Sciences in 2016-2017) | F&CS | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5207 | Work Based Learning Capstone, Health Science (replaces Work Based Learning, Health Science in 2016-2017) | HS  | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5974 | Work Based Learning Capstone, Multiple Pathways (replaces Work Based Learning, Multiple Pathways in 2016-2017) | WBL | 1-3 | 6 | WBL | WBL | $300 per pupil |
| 5892 | Work Based Learning Capstone, Trade and Industry (replaces Work Based Learning, Trade and Industry in 2016-2017) | T&I | 1-3 | 6 | WBL | WBL | $300 per pupil |

Course titles that were new in 2015-2016 or had revisions in 2015-2016 are highlighted.

New and revised course titles for 2016-2017 are highlighted and annotated.

**Other Categories:** Per Indiana Code IC 20-43-8, all courses not in wage/demand categories designated **Foundational** are funded at $150 per pupil per year based on a school corporation's fall count. Those designated **Introductory** are funded at $300 per pupil per year based on a school corporation's fall count.

**Work Based Learning (WBL) including Interdisciplinary Cooperative Education (ICE):** Work Based Learning Capstone courses and Interdisciplinary Cooperative Education are full year courses and are funded at $300 per pupil per year based on a school corporation's fall count.

**Middle School Enrollments:** As announced in May 2013, CTE state funding for enrollment of students below grade 9 is restricted to those courses identified as developmentally appropriate for grade 9 students (designed and recommended for grade 9 students), beginning in 2014-2015 and include only:

* Preparing for College and Career,
* Introduction to Engineering Design, and
* Introduction to Agriculture, Food and Natural Resources.

Courses designed for students in grades 10 and up are defined as not developmentally appropriate for students below grade 9 and students below grade 9 enrolled in those courses do not generate CTE state funding.

**\*Demand and Wage Ratings:** Demand and Wage ratings are based on 2012-2022 Indiana Wage/Demand Data, which was used as the basis of 2014-2015 funding and used for 2015-2016 and 2016-2017 as well. Likewise, wage definitions and demand definitions used in 2014-2015 will continue through 2015-2016 and 2016-2017 per Indiana Code IC 20-43-8-12 (b).

**Wage Definitions:**

* More than moderate wage is $13.01 and higher average wage
* Moderate wage implies that average wage is between $8.01 and $13.00
* Less than moderate wage is $8.00 and below

**Demand Definitions:**

* More than moderate implies a demand level of 801 and higher
* Moderate demand implies a demand level of 201 to 800
* Less than moderate demand implies a demand level of 200 or less

**Cluster/Subject Areas**

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| --- | --- |
| **\*Cluster/Subject Areas** | **Abbreviation** |
| Architecture & Construction | A&C |
| Agriculture | AG |
| Arts, Audio Visual Technology & Communications | AV  |
| Business, Finance & Marketing | BFM |
| Cooperative Education, Internships, Work-based Learning | CO-WB |
| Education & Training | ED |
| Engineering | ENGI |
| Family & Consumer Sciences | F&CS |
| Hospitality & Human Services | HHS |
| Health Science | HS |
| Health Science Biomedical PLTW | HS-B |
| Information Technology | IT |
| Manufacturing | MAN |
| Science, Technology, Engineering and Math | STEM |
| Transportation & Logistics | T&L |