



Indiana Department of Education

Dr. Katie Jenner, Secretary of Education

Indiana High School Science Courses for Core 40 Curriculum Model

Pursuant to Indiana Code 20-19-2-21, the Indiana State Board of Education adopted revised rules regarding science requirements for the Core 40 curriculum model. To earn a Core 40 Diploma designation, students are still required to obtain:

- (1) Two credits of Biology I;
- (2) Two credits of Chemistry I or Physics I or Integrated Chemistry-Physics; and
- (3) Two credits of any other Core 40 science course.

The Indiana State Board of Education approved an expanded list of courses for students to satisfy the third requirement following recommendations from a committee of content area experts representing both secondary and postsecondary institutions, industry/community partners, and the Governor's Workforce Cabinet.

Changes to Career and Technical Education (CTE) coursework and the launch of the Next Level Programs of Study (NLPS) has been incorporated to satisfy this science requirement. The full course list can be found below:

Core 40 Science Courses

- 4568 AP Computer Science Principles
- 4570 AP Computer Science A
- 4801 Computer Science I
- 4818 Environmental Sustainability
- 5008 Animal Science
- 5070 Advanced Life Science, Animals
- 5072 Advanced Life Science: Foods
- 5074 Advanced Life Science, Plants and Soils
- 5170 Plant and Soil Sciences
- 5180 Natural Resources
- 5215 Health Science Education II: Physical Therapy
- 5216 Human Body Systems
- 5217 Medical Interventions
- 5218 Principles of Biomedical Science
- 5229 Sustainable Energy Alternatives
- 5236 Computer Science II
- 5249 Computer Science III: Software Development
- 5250 Computer Science III: Databases
- 5251 Computer Science III: Informatics
- 5253 Computer Science III: Cybersecurity
- 5344 Biochemistry of Foods
- 5518 Aerospace Engineering
- 5644 Principles of Engineering
- 7113 Crop Management
- 7167 Pharmacy Tech
- 7170 Nutrition Planning and Therapy
- 7179 Cybersecurity Fundamentals
- 7181 Cybersecurity Operations
- 7183 Principles of Computing
- 7184 Software Development
- 7185 Website and Database Development
- 7230 Agriculture Biotechnology Capstone
- 7232 Horticulture Capstone
- 7270 Forest and Wildlife Management
- 7271 Soil and Water Management
- 7321 Kinesiology



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- 7323 Physical Therapist Capstone
- 7351 Topics in Computer Science
- 7352 Computer Science
- 8116 Cambridge International A Level Computer Science
- 8118 Cambridge International AS Level Computer Science

Contact IDOE's [Office of Teaching and Learning](#) with any questions regarding this information.