Indiana’s Graduation Requirements
(Class of 2016 & Beyond)
Education in the US

- The national average high school graduation rate is 70%
- 1/3 of students are dropping out
- 1/3 are graduating but are unprepared for college & the workforce
- 1/3 of students are graduating from college prepared for the next stage in life
- 90% of the fastest growing and best-paying jobs require some post-secondary education. Those jobs will be unachievable for students who don’t get a high school diploma.

Policy Perspective: The Importance and Impact of Graduation Rates. Alliance for Excellent Education, December 2010
Education in the US

- Nationally, more than 7,000 students become dropouts every school day. Nationally 1.3 million students dropped out of the class of 2010.
  - Alliance for Excellent Education and State Farm, March 2011,

- By 2025 our nation will fall an expected 1 million short of the college graduates needed in the workforce.
How the US Compares to Other Countries

Chart A2.1. Upper secondary graduation rates (2009)

Countries are ranked in descending order of the upper secondary graduation rates in 2009.
Education in Indiana

84.5% of students graduated from high school

2009-10 Data
Indiana’s Education Pipeline

- Indiana 9th graders
- Students graduate high school
- Of these students enter college
- Are still enrolled sophomore year
- Graduate within 6 years
Of the 30 fastest growing occupations in America, half require a Bachelor's degree or more. By 2016, four out of every 10 new jobs will require at least some advanced education or training.”

President Barack Obama
Speech to the Hispanic Chamber of Conference on Education
March 10, 2010
The Importance of Educational Attainment

Education Requirements for Jobs, 2018

- High school graduate: 28%
- Bachelor's degree: 23%
- Graduate degree: 10%
- Associate's degree: 17%
- Less than high school: 10%
- Some college: 12%

Georgetown University, Center on Education and the Workforce, 2010 p. 14
The Economic Impact of Graduation

- Dropouts from the Class of 2010 alone will cost the nation more than $337 billion in lost wages over the course of their lifetimes.
- If the US' likely dropouts from the Class of 2006 had graduated, the nation could have saved more than $17 billion in Medicaid and expenditures for uninsured health care over the course of those young people's lifetimes.
- If U.S. high schools and colleges were to raise the graduation rates of Hispanic, African American, and Native American students to the levels of white students by 2020, the potential increase in personal income would add more than $310 billion to the U.S. economy.
- Increasing the graduation rate and college matriculation of male students in the United States by just 5 percent could lead to combined savings and revenue of almost $8 billion each year by reducing crime-related costs.
Economic Impact

- The U.S. ranks 10th among industrialized nations in college completion ranks—down from first.

- Indiana ranks 41st in the nation in the average of personal income of its residents (earning $5,400 less annually than national average).

- Manufacturing employment in Indiana has dropped by 35 percent since 2000.

- Nearly two-thirds of all new jobs require at least some postsecondary education.
Boosting State and National Economies By Improving High School Graduation Rates

The best economic stimulus package is a high school diploma. Addressing the high school dropout crisis is a key strategy for economic growth.

Nationally 1.3 million students dropped out of the class of 2010.

Graduating half of those students, or 650,000, would yield the following economic benefits:

- All of this increased economic activity would yield an additional $713 million in additional state tax revenue.
- Collectively these "new graduates" would earn $7.6 billion in additional earnings per year compared to their likely earnings without a diploma.
- This additional spending and investment would be enough to support 54,000 new jobs and increase the GDP by $9.6 billion.
- This additional income would allow them to increase spending by an additional $5.6 billion and investment by an additional $2 billion each year.
Consequences of Dropping Out

- Dropouts suffer from reduced earnings and lost opportunities; there are also significant social and economic costs to the rest of the nation.

- Over the course of his or her lifetime, a high school dropout earns, on average, about $260,000 less than a high school graduate.

- The unemployment rate for those without a high school diploma is more than 3.25 times higher than the rate for those with a college degree.
College Completion

- Only a **third** of college freshmen earn a degree on time.

- Just over **half** graduate within six years.

- Indiana ranks **41st** in the nation in the proportion of adults with a college credential (and **45th** with a bachelor’s degree or higher).

- Indiana must produce at least **6,000** more degrees and credentials each year through 2025 to keep pace with the world.
Postsecondary Preparation

- A quarter of all recent Indiana high school graduates need remediation when they enter a public college.
- More than two-thirds of Indiana’s community college students require remediation.
- Less than 10 percent of Hoosier college students who are placed in remedial courses graduate on time.
The Importance of Academic Rigor

- A rigorous high school academic curriculum is the single-most significant factor determining a student’s success in college.
- Rigorous academic preparation now wanted by employers, colleges, apprenticeship programs, and the military.
- Careers for students without rigorous preparation are becoming fewer.
- Students taking remediation in college are at a greater risk of dropping out.
- The more education a student receives after high school, the better chance for increasing earnings and job security.
Rigorous Preparation = Core 40 & Beyond
Rigorous Preparation

Core 40 with Academic Honors

Core 40 with Technical Honors

Core 40

Postsecondary Success

College Technical School
2-year School Apprenticeship
Military Workforce
Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

### Course and Credit Requirements

<table>
<thead>
<tr>
<th></th>
<th>8 credits</th>
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<tbody>
<tr>
<td><strong>English/Language Arts</strong></td>
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<tr>
<td></td>
<td>Including a balance of literature, composition and speech.</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>6 credits (in grades 9-12)</td>
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<tr>
<td></td>
<td>2 credits: Algebra I</td>
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<tr>
<td></td>
<td>2 credits: Geometry</td>
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<tr>
<td></td>
<td>2 credits: Algebra II</td>
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<tr>
<td></td>
<td>Or complete Integrated Math I, II, and III 5 credits.</td>
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<tr>
<td><strong>Science</strong></td>
<td>6 credits</td>
</tr>
<tr>
<td></td>
<td>2 credits: Biology I</td>
</tr>
<tr>
<td></td>
<td>2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics</td>
</tr>
<tr>
<td></td>
<td>2 credits: any Core 40 science course</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>6 credits</td>
</tr>
<tr>
<td></td>
<td>2 credits: U.S. History</td>
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<tr>
<td></td>
<td>1 credit: U.S. Government</td>
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<tr>
<td></td>
<td>1 credit: Economics</td>
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<tr>
<td></td>
<td>2 credits: World History/Civilization or Geography/History of the World</td>
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<tr>
<td><strong>Directed Electives</strong></td>
<td>5 credits</td>
</tr>
<tr>
<td></td>
<td>World Languages</td>
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<tr>
<td></td>
<td>Fine Arts</td>
</tr>
<tr>
<td></td>
<td>Career and Technical Education</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>2 credits</td>
</tr>
<tr>
<td><strong>Health and Wellness</strong></td>
<td>1 credit</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>6 credits (College and Career Pathway courses recommended)</td>
</tr>
</tbody>
</table>

**40 Total State Credits Required**

### CORE40 with Academic Honors (minimum 47 credits)

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.

Complete one of the following:

A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
B. Earn 6 verifiable transcripted college credits in dual credit courses from priority course list
C. Earn two of the following:
   1. A minimum of 3 verifiable transcripted college credits from the priority course list,
   2. 2 credits in AP courses and corresponding AP exams,
   3. 2 credits in IB standard level courses and corresponding IB exams
D. Earn a combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 on each
E. Earn an ACT composite score of 26 or higher and complete written section
F. Earn 4 credits in IB courses and take corresponding IB exams.

### CORE40 with Technical Honors (minimum 47 credits)

For the **Core 40 with Technical Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1. Pathway designated industry-based certification or credential, or
  2. Pathway dual credits from the lists of priority courses resulting in 6 transcripted college credits
- Earn a grade of “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
  A. Any one of the options (A - E) of the Core 40 with Academic Honors.
# Core 40 Diploma

<table>
<thead>
<tr>
<th></th>
<th>Credits</th>
<th>Years</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>8 credits</td>
<td>4 years</td>
<td>• Balance of literature, composition &amp; speech.</td>
</tr>
</tbody>
</table>
| **Math**     | 6 credits (in grades 9-12) | 3 years       | • Algebra I  
• Geometry  
• Algebra II  
**Students must take a math course or Quantitative Reasoning course each year in high school.** |
| **Science**  | 6 credits | 3 years       | • Biology I  
• Chemistry I OR Physics I OR Integrated Chemistry/Physics  
• Any Core 40 Science |
<table>
<thead>
<tr>
<th></th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>
| **Social Studies** | 6 credits | • US History  
• US Government  
• Economics  
• World History & Civilization OR Geo. & History of World |
| **PE** | 2 credits |                                        |
| **Health & Wellness** | 1 credit | • Health and Wellness |
### Core 40 Diploma

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Directed Electives | 5 credits | • World Languages  
|          |          | • Fine Arts  
|          |          | • Career-Technical Education  
| General Electives   | 6 credits | • College & Career Pathway courses recommended.  
| Local Reqs          |          | Minimum of 40 credits  
| TOTAL               |          | All required courses will be assigned a letter grade and factored into the overall GPA.  

All required courses will be assigned a letter grade and factored into the overall GPA.
- 6 credits must be earned in grades 9-12
- Students must take a math course or quantitative reasoning (QR) course each year in high school

QR courses include courses that help advance a student’s ability to apply mathematics in real-world situations and contexts.

Examples might include some Business and Marketing, Engineering, Science, Trade & Industrial, etc. courses.
Core 40 with Academic Honors Diploma

- More rigorous academic preparation
- Best preparation for college
- Required at some Universities in Indiana
- Provides additional financial aid for families who qualify
Core 40 with Academic Honors Diploma

• Complete all requirements for Core 40
• Earn 2 additional Core 40 math credits
• Earn 6-8 credits Core 40 world language credits (6 credits in one language or 4 credits each in two languages)
• Earn 2 Core 40 fine arts credits
• Earn a grade of “C” or above in courses that count toward the diploma
• Have a cumulative GPA of a “B” or above

AND...
Core 40 with Academic Honors Diploma

Complete one of the following:

A. 4 credits in AP courses and take corresponding AP exams,
B. 6 college credits in dual credit courses from priority course list,
C. Earn two of the following:
   1. 3 college credits from priority course list,
   2. 2 credits in AP courses and take corresponding AP exams,
   3. 2 credits in IB courses and take IB exams.
D. Earn a 1750 or higher on the SAT critical reading, math, and writing sections and a minimum of 530 on each section
E. Earn an ACT composite score of 26 or higher and complete written section
F. Earn 4 credits in IB courses and take corresponding exams
Core 40 with Academic Honors Diploma

Students must complete a minimum of 47 credits

All required courses will be assigned a letter grade and factored into the overall GPA.
Core 40 with Technical Honors Diploma

- Combines rigor and relevance;
- Prepares students for two year or four college, technical school, or apprenticeship;
- Students gain marketable skills and, in many cases, college credit;
- Student can earn both the Core 40 with Academic Honors and the Core 40 with Technical Honors Diploma.
Core 40 with Technical Honors Diploma

- Complete all requirements for Core 40,
- Earn grade of “C” or above in courses that count toward the diploma,
- Have a GPA of “B” or above, and
- Earn 6 credits in the college & career preparation courses in a College & Career Pathway and one of the following:
  1. Pathway designated industry-based certification or credential, or
  2. Pathway dual credits resulting in 6 transcripted college credits

- AND...
Core 40 with Technical Honors Diploma

- Complete **ONE** of the following:
  
  A. Any one of the options (A-F) of the Academic Honors Diploma.
  
  B. Earn the following scores or higher on WorkKeys:
     - Reading for Information – Level 6,
     - Applied Mathematics – Level 6, and
     - Locating Information – Level 5.
  
  C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  
  D. Earn the following minimum score(s) on Compass:
     - Algebra 66, Writing 70, Reading 80.
Students must complete a minimum of 47 credits

All required courses will be assigned a letter grade and factored into the overall GPA.
## Best of Both Worlds

<table>
<thead>
<tr>
<th>C40 with AHD</th>
<th>C40 with THD</th>
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</thead>
<tbody>
<tr>
<td>• Rigorous courses</td>
<td>• Rigorous courses</td>
</tr>
<tr>
<td>• More math, arts, and world language</td>
<td>• More high tech, high skills training</td>
</tr>
<tr>
<td>• Preparation for 4-year college success</td>
<td>• Preparation for college AND career success</td>
</tr>
<tr>
<td>• Rigor plus college preparation</td>
<td>• Rigor plus real-world training &amp; preparation</td>
</tr>
</tbody>
</table>
ISTEP+ Graduation Examination

- Algebra I End-of-course Assessment (ECA)
- English 10 End-of-course Assessment (ECA)

All Indiana students are required to pass the Algebra I and English 10 ECAs in order to graduate.

- Students will have multiple opportunities to take the assessments.
- Waiver options are available.

- Students are required to take the Biology I ECA but a passing score is not required to graduate.
Advanced Placement (AP)

- AP courses and corresponding exams while rigorous, don’t automatically result in college credit.
- Students who earn a score of 3 or higher will receive college credit toward their degree at any Indiana public institution of higher education.
- A score higher than 3 may be required to award college credit for a course that is part of a students’ major, but the student must still receive credit that counts toward his/her overall degree requirements.
- AP participation linked to college completion
  - Students who score well on AP exams are more likely to earn a college degree
  - Stronger indicator than GPA and socioeconomic status
Advanced Placement

- Students who score well on AP exams (3-5) are more likely to persist in college and earn a degree.
  - National Governors Association

- “Mastering the rigorous coursework is transformative: If a high school student passes just one Advanced Placement course the prospect of graduating from college jumps from 30% to 72%” – Tom Luce, NMSI
Percentage of Students with Varying AP and Non-AP Experiences Who Earn a Bachelor’s Degree Within 4-Years

- Neither AP nor Dual Enrollment Courses: 11%
- AP Exam Score Avg.=1: 21%
- Dual Enrollment Courses: 24%
- AP Exam Score Avg.=2: 32%
- AP Exam Score Avg.=3: 44%
- AP Exam Score Avg.=4 or 5: 50%
Dual Credit

- Courses in which students can earn both high school and college credits
- Dual Credit Providers... (local level)
- Dual Credit Courses offered... (local level)
- Dual Credit Courses used to meet AHD requirements must be from priority course list
Parent’s Role

1. Check homework – some students may need to do more at home studying
2. Set a consistent time and space for studying
3. Check progress frequently (online or ask your adolescent)
4. Consider tutors – some students may need extra help with more rigorous classes
5. Review and help your child select classes
6. Get involved with their postsecondary preparation
Questions?
General Diploma

• Only available to students whose parents feel students are unable to complete the Core 40 curriculum.

• Parents must meet with the school counselor to review student’s course work.

• Opting out of Core 40 allowed only if certain criteria is met and parent agrees.
General Diploma

Remember:

• General Diploma graduates may not be admitted to Indiana public colleges and universities.

• General Diploma students may not be prepared to pass the Algebra I and English 10 End-of-Course Assessments, which are required for graduation.

• General Diploma students are eligible for up to 80% of state financial aid cap for postsecondary education tuition
<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>8 credits</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>4 credits</td>
<td>Must include 2 credits in Algebra I or Integrated Math I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Must earn 2 credits in a Math course or Quantitative Reasoning course during</td>
</tr>
<tr>
<td></td>
<td></td>
<td>junior or senior year.</td>
</tr>
<tr>
<td>Science</td>
<td>4 credits</td>
<td>Must include 2 credits in Biology I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>At least 1 credit must be from a Physical Science or Earth and Space Science</td>
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<td></td>
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<td>course.</td>
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</table>
# General Diploma

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Social Studies</strong></td>
<td><strong>4 credits</strong></td>
</tr>
<tr>
<td>2 credits US History,</td>
<td></td>
</tr>
<tr>
<td>1 credit US Government,</td>
<td></td>
</tr>
<tr>
<td>1 credit any other S. Studies course</td>
<td></td>
</tr>
<tr>
<td><strong>PE</strong></td>
<td><strong>2 credits</strong></td>
</tr>
<tr>
<td><strong>Health &amp; Wellness</strong></td>
<td><strong>1 credit</strong></td>
</tr>
<tr>
<td><strong>College &amp; Career Pathway Courses</strong></td>
<td><strong>6 credits</strong></td>
</tr>
</tbody>
</table>
# General Diploma

## Flex Credit

5 credits

Must come from one of the following:

- Additional elective courses in a college & career pathway
- Courses involving workplace learning such as Cooperative Education or Internship courses
- High school/college dual credit courses
- Additional courses in Language Arts, Social Studies, Math, Science, World Languages or Fine Arts

<table>
<thead>
<tr>
<th>Electives</th>
<th>6 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>40 credits</td>
</tr>
</tbody>
</table>

All required courses will be assigned a letter grade and factored into the overall GPA.
Terminology

College & Career Pathway Courses
6 credits

- Electives selected in deliberate manner to take full advantage of college & career exploration and preparation opportunities.

Flex Credits
5 credits

- Additional courses/electives chosen to help prepare the student for the workforce.
Questions?