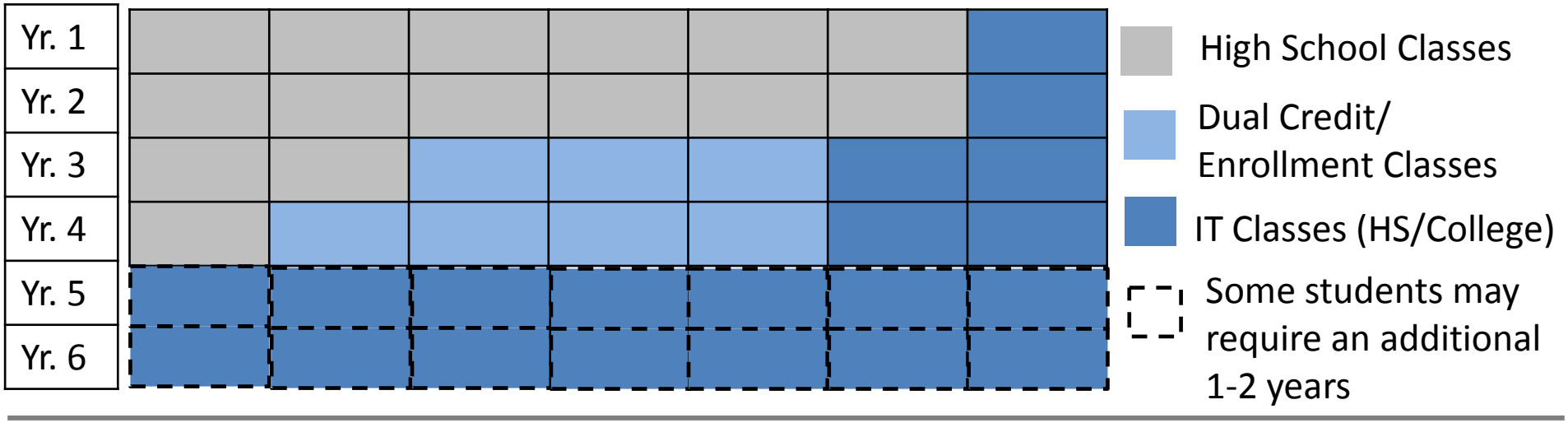
IT Pathways & Courses of Study



- Students have access to three IT Pathways (Web Development and Programming; Database and Cloud Management; Network Engineering and Security). Each articulates with 2 & 4 year post-secondary partners.
- Each Pathway designed to coincide with student working toward HS Diploma and Associates Degree simultaneously.
- Courses of study range from 4-6 years depending on individual student's pace.
- All students participate in work-based learning and college-going experiences, some of which is embedded in the coursework

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Path Forward
3 Key Areas of Focus for Next Year

- **IT Pathways, course of study, associated coursework**
  - Secondary and post-secondary partners, working in collaboration
  - Alignment to academic and IT pathway skills and learning outcomes
  - Six year scope and sequence over 4-6 year trajectories

- **Work-based Learning/College-going Experiences**
  - Central office planning teams develop frameworks for guidance, embed work-based learning in IT coursework
  - School teams (principals and partners) develop continuum of activities, experiences that supplement and reinforce classroom learning

- **Student Supports**
  - School teams in collaboration with Network, central planning team, partners
  - Focus on addressing learning gaps and accelerating student learning toward readiness for college level coursework

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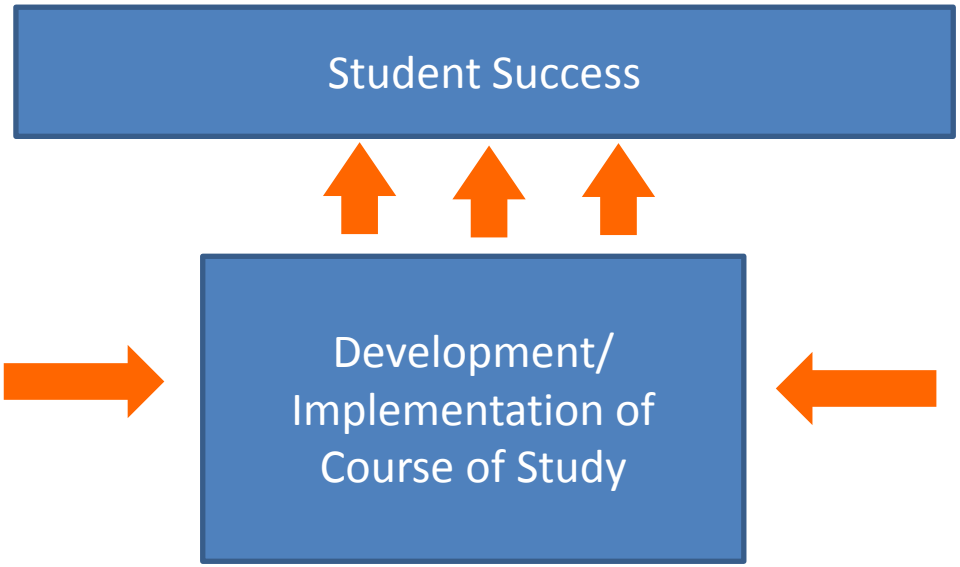
Partner Engagement - The Key to our Path Forward



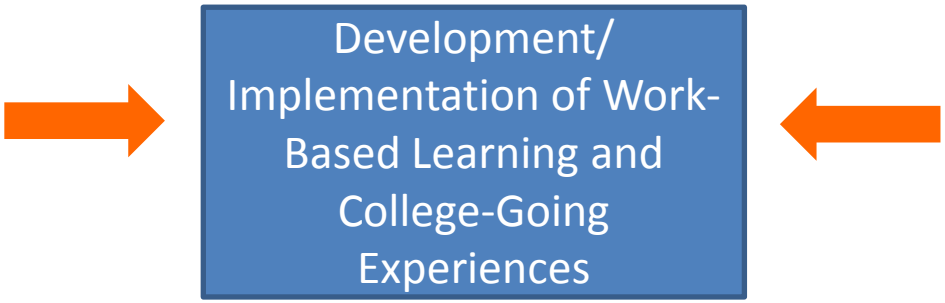
Corporate Partners

Corporate partners provide input on skills and learning outcomes

College Partners

College partners develop the course of study and applicable college course

Corporate partners collaborate with schools to develop work-based learning plans



College partners collaborate with the schools to develop the plan for college-going experiences

Facilitators of & Contributors to the Work – CPS Central Office

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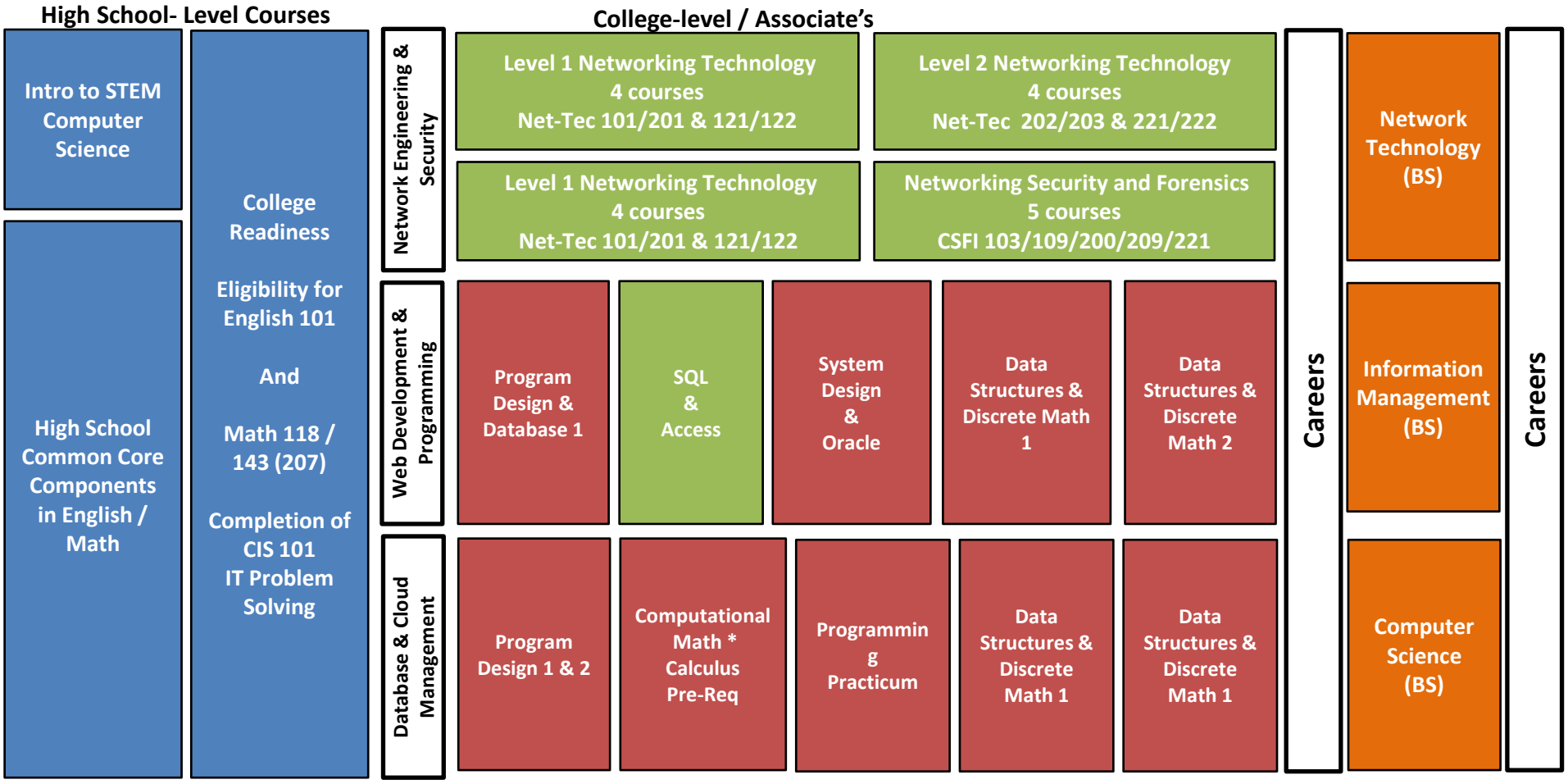
Information Technology: Use of software and hardware tools to solve problems.

Academic Pathways lead towards degrees in business programs with stackable credentials earned along the way.

"Ready to go": existing courses | New courses/programs to consider rolling out



(1) Programs in Network Technology – exist in some capacity and need to be re-aligned with industry expectations.

(2) Programs in Database Management align most closely with information technology programs frequently housed in business degrees at four year institutions.

(3) Programs in Computer Science align with expectations in the UIC Computer Science program, which is an engineering degree. Students in this track must be eligible for Calculus early in their academic career.

Specific Timeline for Course Creation / Alignment Approval (Draft)

Event	Date / Deadline	Description	Outcome	Contributors
IT Summit	Sept. 7th, 2012	Meeting of 4 year colleges & industry partners	Aligned and vetted college curriculum.	ECSS Industry Partners Postsecondary Partners CPS
Develop course of study for each IT Pathway	Oct. 2012	Define courses based on industry skills and work ready standards, and academic learning outcomes	Course of Study for each Pathway aligned to academic and industry learning outcomes.	ECSS Industry Partners CPS CTE Curriculum Team
Course Creation & Re-alignment	Oct. & Nov. 2012	Creation of syllabi for new and existing collegiate courses.	Renewed Master Syllabi for new and existing courses.	ECSS Industry Partners (vet)
Local Course Approval [1,2]	Dec. 8th, 2012	Local approval for prioritized courses.	Following (PAC) process, approval through college and district levels.	
Regional Course Approval	Dec 2012 & Jan 2013	Transfer agreements to four year institutions. (Form 13s).	Local 4YCs agree to accept courses.	
Submit courses to ICCB	Jan & Feb 2013	Courses submitted to ICCB for approval	ICCB approves courses. May be offered through CCC in the following semester.	
Submit courses to IAI[3]	Feb & Mar. 2013	Courses submitted to IAI	IAI approves or denies courses for IAI in general education and majors level courses.	

NOTES:

1. Depending on outcomes of IT Summit, some courses may have a higher priority than others.
2. Local approvals start with an individual campus, proceed through campus and district committees.
3. IAI approval takes place on IAI timeline. Submission takes place twice per year in general education and majors units. Computer Science Panel meets in September 2012.

REINVENTION