



## INFORMATION SYSTEMS - CYBERSECURITY<sup>1</sup>

### Program Learning Outcomes (PLOs):

1. Apply a systems-level perspective to describe the structure of and relationships between computer hardware, software, and networks.
2. Utilize increasing levels of abstraction, problem solving, and project management skills in the design and analysis of processes, systems, or applications to meet desired specifications.
3. Communicate effectively and work collaboratively in applying their knowledge to address organizational needs through information systems.
4. Understand the importance of ethical/professional responsibility and maintaining lifelong currency in the field.
5. Apply mathematical and logical foundations, and algorithmic principles, to the solution of problems in computing.

### First Year Courses

Fall Semester	Spring Semester
BAE 101 CPS 150 (PLO 1, 4, 5) MTH 119	IST 110 (PLO 1, 3) MGT 200 MTH 219

### Second Year Courses

Fall Semester	Spring Semester
ECO 251 CPS 201 (PLO 2, 5)	CPS 202 OR 290 ECO 252

### Third Year Courses

Fall Semester	Spring Semester
CPS 325 (PLO 1, 5) IST 318 (PLO 1, 3, 4) IST 342 (PLO 2, 5) WRI 351, 354, OR 356	CPS 345 PHI 218 POL 389

<sup>1</sup> This 4 year plan/curriculum map is for informational purposes and reflects the 2020-2021 Undergraduate Catalog. All Heidelberg students are strongly encouraged to work with their academic advisors to develop an individualized 4 year plan.



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#### Fourth Year Courses

Fall Semester	Spring Semester
IST 314 (PLO 2, 3) IST 320 (PLO 1, 4)	CPS 490 (PLO 3, 4)