Master of Science in Computer Science
PSM Track
Candidates must complete a total of 33 credits.

A candidate must complete all degree requirements for an MS within six (6) calendar years after his or her acceptance. Requirements for the MS CS – PSM Track are:

- 15-21 hours of CS core courses
- 0 – 6 hours of CS elective courses
- 3 hours of CS internship
- 9 hours of Professional Skills courses

This includes the following requirements:

- A minimum of 15 hours of CSC courses must be at the 500 level
- Successful completion of **one** of the following concentrations:
  - Networking: CSC 411 and CSC 512
  - Security: CSC 541 and CSC 555
  - Management: CSC 554 and BUS 572
  - Web-based Software: CSC 421 and CSC 521
  - Database   CSC 456 and CSC 556

Core CS Courses (15 – 21 hours)	Elective CS Courses (0 – 6 hours)
CSC 411: Advanced Networking	CSC 402: Data Structures II
CSC 421: Web-based Software Development	CSC 425: Compiler Design I
CSC 456: Database Systems Management I	CSC 445: Intelligent Robotics
CSC 464: Human Computer Interaction	CSC 447: Artificial Intelligence I
CSC 505: Fundamentals of Computer Systems	CSC 480: Special Topics
CSC 510: Advanced Operating Systems	CSC 526: Compiler Design II
CSC 512: Network Architecture & Protocols	CSC548: Artificial Intelligence II
CSC 520: Advanced Object Oriented Prog.	CSC 552: Advanced UNIX Programming
CSC 521: Advanced Web-Based Soft. Dev.	CSC 555: Applied Cryptography
CSC 540: Engineering Enterprise Object Oriented Systems	CSC 556: Database Systems Management II
CSC 541: Advanced Information Security	CSC 580: Special Topics
CSC 554: Project Management	
CS Culminating Experience (3 hours)	
CSC 590: Internship (3 hours)	

Professional Skills Courses

PROFESSIONAL SKILLS COURSES PROVIDE BREADTH IN GRADUATE STUDIES BY PERMITTING STUDY IN AREAS THAT ENHANCE AND BROADEN THE STUDENT'S KNOWLEDGE AND SKILLS. THE COMPUTER SCIENCE PSM TRACK PROVIDES THE OPPORTUNITY TO INCORPORATE STUDY IN MANAGEMENT AND ADMINISTRATION RELATED DISCIPLINES INTO A COMPUTER SCIENCE MASTER'S DEGREE

Courses may be selected from Kutztown or other PASSHE universities to fulfill this category under the following conditions:

1. Courses selected must develop skills in related professional areas such as management, communication, planning, and decision making. They need not all be from a single discipline.
2. The courses selected represent a cogent concentration and are chosen and approved in consultation with the graduate coordinator and department chair.

Professional Skill Courses (9 hours)
Business
ACC 520: Management Accounting Control Systems
BUS 572: Managing Enterprise Information Technology
ECO 561: The Global Economy

Political Science – Administration
POL 515: Principles of Problems in Public Administration
POL 516: Administrative and Organizational Theory
POL 517: Public Personnel Administration and Strategic Human Resource Management
POL 518: Budgeting and Decision Making
POL 571: Nonprofit Organizational Management

Elective(s)
Elective:
Elective:
Elective: