

INFORMATION SYSTEMS

Degree Requirements

Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

The M.S.I.S. degree program requires, excluding pre-program requirements, 30 credits of course work at the 500 or 800 level, with a minimum of 18 credits at the 500 level.

Code	Title	Credits
Required Courses		
INFSY 535	Object-Oriented Design and Programming in Business	3
INFSY 540	Information Technology and Knowledge Management	3
15 credits of Information Systems courses from an approved list available in the program office		15
Electives		
6 credits of electives from the 500-level courses offered by Penn State Harrisburg's School of Business Administration		6
Culminating Experience		
INFSY 554	Master's Project ¹	3
Total Credits		30

¹ The INFSY 554 Master's Project course involves development of an original master's project in the student's field of interest and preparation of a scholarly paper.

Data Analytics Track

The objective of this Track is to provide the student with business intelligence and analytics skills that enable them to gain insights and transform data into strategic decisions.

In consultation with their adviser, a student shall select 9 credits of the following:

Code	Title	Credits
BUS 510	Business Analytics and Decision Modeling	3
INFSY 555	Data Management Systems	3
INFSY 556	Data Warehousing	3
INFSY 565	Intelligent Systems in Business	3
INFSY 566	Data Mining and Knowledge Discovery	3
INFSY 547	WEB Enabled Technologies	3

Transfer Credits

Credits earned at other institutions but not used to earn a degree may be applied toward the requirements for a graduate degree, subject to restrictions outlined in GCAC-309 Transfer Credit (<http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/transfer-credit/>). It must be the opinion of the reviewing faculty that these courses are equivalent in quality to those offered at Penn State Harrisburg. Credit will not be given for any class used to complete a previous degree.

Course Substitutions

Because some students enter the Program with advanced knowledge in one or more subject areas, up to six credits in prescribed or additional courses may be replaced with more advanced undergraduate or graduate courses in the same subject area. Except for INFSY 554, which must be taken at the College, INFSY prescribed and additional courses, in cases where there is equivalent knowledge, must be replaced with more advanced courses in the same field. Substitutions are based on a minimum of six credits of advanced undergraduate course work in an area of concentration or credits earned in an equivalent graduate-level program at a regionally accredited, college-level institution. These courses must have been completed within the past five years and have earned a grade of B or better. Substituted courses must be replaced with other advanced graduate courses in the field for which the substitute is the foundation/prerequisite. Substitutions are based on past academic performance. An examination cannot be used for earned graduate course credit.