

WPI DATA SCIENCE MINOR PROGRAM PLANNING and APPROVAL FORM

Last Name: _____ First Name: _____ WPI ID: _____
WPI Email: _____ Major Dept.: _____ Graduation Date: _____

In the table below, list 6 courses from the list of Approved DS minor courses.

In the last column, check if double-counting for another degree requirement.

Please note: no more than one unit of course work may be double counted.

Submit this form to the Data Science office, FL243, to indicate your Minor intentions.

After completing the DS Minor, please submit an *updated form* with an *official copy* of your transcript to the Data Science office; FL242

DATA SCIENCE MINOR REQUIREMENTS

	Course #	Term	Grade	Double Count?
1 Business DS Courses, 2000 level or ↑				
2 Computer Science DS Courses, 2000 Level or ↑				
3 Math Sciences DS Course, 2000 Level or ↑				
4 DS Core Courses (2 out of 3 courses <i>required</i>)				
5				
6 Any approved Course below, 3000 Level or ↑				

Have you discussed the DS minor with your Academic Advisor?

Academic Advisor's Signature: _____

Advisor's Printed Name and Title: _____

CERTIFICATION of DS MINOR COMPLETION

DS Minor Completion Approval by DS Minor Advisor.

Signature: _____ Date: _____

APPROVED COURSES for the DATA SCIENCE MINOR

Any graduate course approved for the Data Science Graduate Program can be counted towards the Data Science Minor.

DATA SCIENCE CORE COURSES

DS 1010 Data Science I: Introduction to Data Science
DS 2010 Data Science II: Modeling and Data Analysis
DS 3010 Data Science III: Computational Data Intelligence

BUSINESS COURSES

BUS 2080 Data Analysis for Decision Making
MKT 2080 Business Data Management
MKT 3650 Consumer Behavior
OIE Quality Planning: Design and Control
OIE 3460 Simulation, Modeling and Analysis
ACC 4200 Managing Performance: Internal and Inter-org. Perspectives
OIE 4420 Practical Optimization: Methods and Applications
MIS 3720 Business Data Management

COMPUTER SCIENCE COURSES

CS 1004 Introduction to Programming for Non-Majors
*CS 1101 Introduction to Program Design
*CS 1102 Accelerated Introduction to Program Design
CS 2102 Object-Oriented Design Concepts
CS 2119 Application Building with Object-Oriented Concepts
CS 2223 Algorithms
CS 2301 Systems Programming for Non-majors
CS 2303 Systems Programming Concepts
CS 3431 Database Systems I
CS 4120 Analysis of Algorithms
CS 4341 Introduction to Artificial Intelligence
CS 4432 Database Systems II
CS 4445 Data Mining and Knowledge Discovery in Databases
CS 4802 Biovisualization
CS 4803 Biological and Biomedical Database Mining
**Credit may not be earned for both CS1101 and CS1102.*

MATHEMATICAL SCIENCES COURSES

MA 2071 Linear Algebra
MA 2611 Applied Statistics I
MA 2612 Applied Statistics II
**MA 2621 Probability for Applications
**MA 2631 Probability
MA 3231 Linear Programming
MA 3627 Introduction to the Design and Analysis of Experiments
MA 3631 Mathematical Statistics
MA 4213 Loss Models – Risk Theory
MA 4214 Loss Models – Survival Models
MA 4235 Mathematical Optimization
MA 4237 Probabilistic Methods in Operations Research
MA 4631 Probability and Mathematical Statistics I
MA 4632 Probability and Mathematical Statistics II
***Credit may not be earned for both MA2621 and MA2631.*