MPS in Machine Learning

Academic Planning Sheet

10 Courses, 30 credits

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| **Required Courses (6 courses, 18 credits)** | **Term/Semester** | **Year** | **Credits** |
| MSML 601: Probability and Statistics |  |  | 3 |
| MSML 602: Principles of Data Science |  |  | 3 |
| MSML 603: Principles of Machine Learning |  |  | 3 |
| MSML 604: Introduction to Optimization |  |  | 3 |
| MSML 605: Computing Systems for Machine Learning |  |  | 3 |
| MSML 606: Algorithms and Data Structures for Machine Learning |  |  | 3 |
| **SUBTOTAL** |  |  | **18** |
|  |  |  |  |
| **Elective Courses (4 courses, 12 credits)** | **Term/Semester** | **Year** | **Credits** |
| Select 4 from:  *MSML 612: Deep Learning*  *MSML621: Digital Signal Processing*  *MSML640: Computer Vision*  *MSML641: Natural Language Processing*  *MSML650: Cloud Computing*  *MSML651: Big Data Analytics* |  |  |  |
|  |  |  | **3** |
|  |  |  | **3** |
|  |  |  | **3** |
|  |  |  | **3** |
| **SUBTOTAL** |  |  | **12** |
| **TOTAL CREDITS** |  |  | **30** |

NOTE: Course offerings subject to change. Any courses not listed above must be approved by the Faculty Director prior to registration to satisfy degree requirements. Students must earn a grade of C- or better in each course to satisfy program requirements. Students must maintain a cumulative grade point average of 3.0 to continue in the program and to graduate.