## MSHA Three-Semester Course Plan

### Fall 1 Required Courses

**Required Credits: 15**

**Core:**
- MGT 560F: Professional Business Communication \(1.5 \text{ credits}\)
- DAT 500S: Predictive Analytics for Business Decision-Making \(3 \text{ credits}\)
- DAT 561: Introduction to Python & Data Science \(3 \text{ credits}\)

**Track:**
- MGT 563: Olin Grand Rounds: The Business & Practice of Medicine \(3 \text{ credits}\)

**Fall A**
- DAT 560G: Database Design & SQL \(1.5 \text{ credits}\)

**Fall B**
- DAT 500N: Prescriptive Analytics \(1.5 \text{ credits}\)
- DAT 560M: Big Data & Cloud Computing \(1.5 \text{ credits}\)

### Spring 1 Required Courses

**Required Credits: 12**

**Core:**
- DAT 500W: A/B Testing for Business & Social Science \(3 \text{ credits}\)

**Track:**
- MGT 565: Healthcare Management \(3 \text{ credits}\)
- MGT 566: Research in Healthcare Management \(3 \text{ credits}\)

**Spring A**
- DAT 560E: Data Visualization \(1.5 \text{ credits}\)
- DAT 562: Text Mining \(1.5 \text{ credits}\)

### Fall 2 Required Courses

**Required Credits: 3**

**Track:**
- MGT 564: Health Economics & Policy \(3 \text{ credits}\)

### Fall or Spring Recommended Elective Courses

**Elective Credits: 6+**

- DAT 565E: Deep Learning for Prediction of Business Outcomes \(1.5 \text{ credits}\)*
- INFO 558: Applications of Deep Neural Networks \(3 \text{ credits}\)*
- FIN 534: Advanced Corporate Finance I \(1.5 \text{ credits}\)*
- MPH 5002: Epidemiology \(3 \text{ credits}\)
- CSE 501N: Intro to Computer Science \(3 \text{ credits}\)*

### Experiential Learning Requirement

**Complete 1 Course:**
- MGT 501T: Taylor Community Consulting Project \(3 \text{ credits}\)
- MGT 551E: Internship, Business, and Application \(1.5 \text{ credits}\)
- MGT 501P: CEL Practicum \(3 \text{ credits}\)
- MGT 501V: Applied Problem Solving for Orgs \(1.5 \text{ credits}\)

* Elective courses offered either in Fall or Spring semesters
** A total of 6 credits required from these MSHA electives
*** Remaining electives must be 500-level courses that are 3 digits or 3 digits

### Total Credits: 39

- MSA Common Core: 18
- MSHA Track: 15
- Elective: 6