

Typical FT MSBAN Plan of Study (37-40 Hours) 2017

- Boot Camp 1 (5-days of SAS programming and 2-3 days of group activities, other trainings) – before Fall semester Year 1
- Special training : R-programming (mid-semester), Research and Business communication (all semester)
- **Fall Semester (Aug. - Dec.) , Year 1, 10 hours**
 - Graduate Statistics I, 3 hours
 - Descriptive Business Analytics (Tools: SAS, R, Tableau and JMP), 3hours
 - Advanced Database Management (Tools: SQL), 3 hours
 - Soft skills (Professional development), 1 hour
 - Visualization and Descriptive Analytics Project
- **Spring (Jan.- May), Year 1 , 10 hours**
- Special training : Research communication (all semester)
- Special training : Data visualization using SAS VA/VS
 - Graduate Statistics II, 3 hours
 - Predictive Business Analytics (Tools: SAS, R), 3hours
 - Advanced Programming (Tools: SAS, Python), 3 hours
 - Soft Skills (Consulting in Analytics), 1 hour
 - Predictive Analytics project
- Boot Camp 2 (5 days of Big Data and Data Science) – end of Spring semester Year 1

- **Fall (Aug. – Dec.), Year 2, 11-13 hours**
- Special training : Time Series, Strategic Marketing Analytics, Machine Learning
 - Advanced Business Analytics (Tools: SAS, R, Python), 3 hours
 - Mathematical Programming and Simulation (Tools: SAS, MATLAB), 3 hours
 - Customer Lifetime Value Models in Analytics, 1 hour
 - Big Data Tools and Machine Learning Topics, 1 hour
 - Soft skills (External Activities: Toastmasters)
 - *Electives: Time Series, Managerial Accounting, Web analytics, GIS applications in analytics and others*
 - Advanced Analytics Project (SAS Symposium, INFORMS Competition, Data Analytics Hackathon)
- **Spring (Jan. – May.), Year 2, 6-9 hours**
- Special training : Bayesian Network Analysis, Multilevel Models
 - Advanced Marketing Research Analytics (Tools: SAS, R), 3 hours
 - *Electives: Categorical Data Analysis, Big Data Tools and Technologies, Business Finance, Marketing optimization and others*
 - Soft skills (External Activities: Conference Presentations)
 - Advanced Analytics Project (SAS Shootout, Kaggle Competition)

Spring, Year 2 (Advanced Internship or co-op: 1 Credit hour)

Summer, Year 1 (Internship – 2 credit hours)

Summer, Year 2, Graduation and Placement

Web page: <http://analytics.okstate.edu/msba/>

Date: May 2017