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

- Boot Camp 1 (5-days of SAS programming and 3-4 days of group activities, soft skill building, 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

Summer, Year 1 (Internship – 2 credit hours)

- Fall (Aug. – Dec.), Year 2, 11-13 hours
- Special training : Time Series, Strategic Marketing Analytics, Research communication
  - Advanced Business Analytics (Tools: SAS, R, Python, Big data tools), 3 hours
  - Mathematical Programming and Simulation (Tools: SAS, MATLAB), 3 hours
  - Customer Lifetime Value Models in Analytics, 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, Machine Learning via Google TensorFlow and SAS Viya
  - Advanced Marketing Research Analytics (Tools: SAS, R, Python), 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 2, Graduation and Placement

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

Date: Aug. 2017