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), 3 hours
  • 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), 3 hours
  • 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
• Special training: 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)
Web page: http://analytics.okstate.edu/msba/

Summer, Year 2, Graduation and Placement

Date: May 2017