Online Masters of Science in Analytics

New Student Orientation
Fall 2018
Meet the Team
Dr. Joel Sokol  
Director, Master of Science in Analytics  
Associate Professor, Stewart School of ISyE

Jennifer Wooley  
Director, Professional Master’s Programs
Justin LaFantano
Academic Advisor

Yvonne McKinnon
Academic Advisor
Technology Requirements

All students should have a computer with the following minimum requirements:

**Form Factor:** Notebook or Desktop Computer (a netbook or tablet should not be used as the primary computing device*.) A minimum of 6 hours of battery life is recommended.

**Processor:** 64-bit Multi-core processor or better. *

**Memory:** 8 GB or more. For best performance, we recommend that you install as much memory as affordable at the time of purchase.

**Operating System:** The latest versions of Windows (10 or better) or MacOS (10.12.5 or better). We recommend to update to the latest versions for better protection against cyber security risks. We suggest turning on automatic update, for peace of mind. Before applying software and hardware updates, it is generally a good practice to back up your computer (see below), and to check that the updates would work with your existing applications.
**Technology Requirements - continued**

**Browser:** The recommended browsers for web-based browsing would be the latest version of Internet Explorer/Edge, Mozilla Firefox, or Google Chrome.

**Primary Hard Drive:** 500GB minimum. The larger the better as you may work with large datasets. Solid-state drives (SSDs) are recommended as they are much faster than hard disk drives (HDDs).

**Backup Device or Service:** Having a quality backup of your important files is vital to your success as a student. Windows and MacOS have built-in backup support (e.g., via Time Machine on MacOS). We have negotiated a discount for Crashplan for our students available at [http://www.crashplan.com/gtstudent](http://www.crashplan.com/gtstudent). You are not required to use Crashplan. Utilizing OneDrive provided by GT at no charge is a great solution as well.

**Networking:** Dual-Band (2.4 GHz/5 GHz) Wireless 802.11n enabled computer and a reliable fast network connection is required.
Technology Requirements - continued

**Free GitHub Repositories:** Git is an industry-standard way for collaborative coding and version control. Many companies now expect git familiarity from employees. As a Georgia Tech student, you can create unlimited repositories, great for group projects ([https://support.cc.gatech.edu/support-tools/faq/what-gt-github-enterprise](https://support.cc.gatech.edu/support-tools/faq/what-gt-github-enterprise)). Always create a repository as a PRIVATE one (instead of public), and never put any sensitive information (e.g., passwords, AWS keys) in repositories. Bad people scan public repositories for such information for profit and can lead to huge financial loss from victims (e.g., use your credentials to run AWS jobs).

**System Options:** A laptop or desktop with a webcam and microphone is required (built-in or external). A headset with microphone for clear communication while on video conference sessions is strongly recommended.

*Note that most netbooks and tablets (e.g. Apple iPad, Galaxy Tab and others that run on an operating system designed specifically for the device) do NOT meet the minimum hardware requirements above. While they may initially provide sufficient performance for basic tasks such as web browsing or simple word processing, use of technical software in courses may not be possible.*
Account Setup

To set-up/manage your GT account please visit: https://passport.gatech.edu

- Please set-up your GT account as soon as possible
- You can change your password, set emergency notification preference, forward email and create aliases
Email Preferences

When you log into Passport, click on “Email Preferences” on the left side of your screen.

Once you do so, you can specify the external email address to which you want to forward your GT email.

If you select this option, your Office 365 mailbox will be disabled.
GT Email Access

Go to https://mail.gatech.edu
MS Analytics Curriculum

Dr. Joel Sokol
Director, Master of Science in Analytics
<table>
<thead>
<tr>
<th>Core Tracks</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Interdisciplinary Core</strong></td>
<td><strong>Analytical Tools Electives</strong></td>
</tr>
<tr>
<td>CSE 6040 Computing for Data Analysis</td>
<td>Bayesian Statistics</td>
</tr>
<tr>
<td>MGT 8803/6754 Business Fundamentals for Analytics</td>
<td>Computational Statistics</td>
</tr>
<tr>
<td>ISyE 6501 Intro to Analytics Modeling</td>
<td>Data Mining/Statistical Learning</td>
</tr>
<tr>
<td><strong>Basic</strong></td>
<td><strong>Business Analytics Electives</strong></td>
</tr>
<tr>
<td>CSE 6242 Data and Visual Analytics</td>
<td>Design of Experiments</td>
</tr>
<tr>
<td>MGT 6203 Data Analytics in Business</td>
<td>Deterministic Optimization</td>
</tr>
<tr>
<td><strong>Advanced</strong></td>
<td><strong>Computational Data Analytics Electives</strong></td>
</tr>
<tr>
<td>ELECTIVES: 2 Statistics, 1 Operations Research</td>
<td>Machine Learning</td>
</tr>
<tr>
<td></td>
<td>Nonparametric Data Analysis</td>
</tr>
<tr>
<td></td>
<td>Probabilistic Modeling</td>
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<tr>
<td></td>
<td>Regression Analysis</td>
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<td>Simulation</td>
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<tr>
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<td>Time Series Analysis</td>
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<td>Data Analysis for Continuous Improvement</td>
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<td>Digital Marketing</td>
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<td>Financial Modeling</td>
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<td>Valuation and Value Creation</td>
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<td>Big Data in Healthcare</td>
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<td>Computational Algorithms</td>
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<td>Computational Data Analysis</td>
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<td></td>
<td>Database Systems</td>
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<td>Information Visualization</td>
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<td></td>
<td>Machine Learning</td>
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<td>Web Search/Text Mining</td>
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<td>Applied Analytics Practicum</td>
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Which Courses Should You Take First?

**What to Take?**

- Take intro core first
  - ISYE 6501: good before ISYE courses
  - CSE 6040: prereq. For CS/CSE courses
  - ISYE 6501 & CSE 6040: before MGT 6203

- Don’t take MGT 8803 as your only course this semester
  - It’s important knowledge for success, but content is pure business, not analytics
  - Take MGT 8803 before MGT 6203

- Take advanced core/electives after intro core course in that area

- **Take 1 or 2 courses**
  - Courses are hard/rigorous
  - Could take 10-20 hrs/week

**Offered this semester**

- **Introductory Core**
  - CSE 6040 Computing for Data Analytics
  - MGT 8803 Business Fund. for Analytics
  - ISYE 6501 Intro to Analytics Modeling

- **Advanced Core**
  - CSE 6242 Data and Visual Analytics
  - MGT 6203 Data Analytics in Business

- **Statistics Electives (also A-track)**
  - Regression, Machine Learning, Time Series, etc.

- **Oper. Res. Electives (also A-track)**
  - Optimization, Simulation, etc.

- **Business (B-track) Electives**
  - Financial Modeling, Digital Marketing, etc.

- **Computing (C-track) Electives**
  - Database Systems, Machine Learning, etc.
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  • ISYE 6501 & CSE 6040: before MGT 6203
  Data Analytics in Business

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  • It’s important knowledge for success, but content is pure business, not analytics
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• Business (B-track) Electives
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• Computing (C-track) Electives
  • Database Systems, Machine Learning, etc.
Which Courses Should You Take First?

What to Take?

• Take intro core first
  • Do you already know most of an Intro Core course’s material?
    • Apply to replace that Intro Core course with an Analytics elective of any type
  • Did you already take CSE 6040 or ISYE 6501 or MGT 6203 in the MicroMasters program?
    • Apply for Advanced Standing credit for the course

• Take 1 or 2 courses
  • Courses are hard/rigorous
  • Could take 10-20 hrs/week

Offered this semester

• Introductory Core
  • CSE 6040 Computing for Data Analytics
  • MGT 8803 Business Fund. for Analytics
  • ISYE 6501 Intro to Analytics Modeling
### Sample programs (*yours can vary*)

<table>
<thead>
<tr>
<th>Two courses per semester, Fall start</th>
<th>Two courses per semester, Spring start</th>
<th>One course per semester, Fall start</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
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<td><strong>Spring</strong></td>
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<tr>
<td>ISYE 6501 CSE 6040</td>
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<td>CSE 6040*</td>
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<tr>
<td><strong>Spring</strong></td>
<td><strong>Summer</strong></td>
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<td>MGT 8803 CSE 6242</td>
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<td>CSE 6040</td>
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<tr>
<td><strong>Summer</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
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<td><strong>Summer</strong></td>
<td><strong>Summer</strong></td>
<td><strong>Fall</strong></td>
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* CSE 6040 is not offered in Summer

** Assumes practicum project is part of full-time job; otherwise, an additional semester may be needed
Tips for success in OMS Analytics

Academic tips

• Make the time commitment
• Keep up
  • If you fall behind, it’s hard to catch up
• Course videos are not just TV
  • Take notes just like an in-person class
  • Tools for understanding: pause, rewind
• Learn from each other, help each other
  • Take advantage of message boards
  • Also making professional connections
  • Not instantaneous; be patient
  • ...but available 24/7; a worldwide cohort

Administrative tips

• Read all communications
  • OMS Analytics program
  • Advisors
  • Course instructors, TAs
• Get ready early
  • Get familiar with platforms
  • Install software early
  • Troubleshoot early
• Ask for help if you need it
  • Not instantaneous; please be patient
• Be collegial
  • We’re all on your side!
Registration & Important Dates
Reminders regarding your admission

• Graduate Studies will need:
  • Final official transcripts
  • Degree documents
  • Lawful Presence

• Immunization requirement is waived
Student Portals

BuzzPort
Private portal to access account information, financial aid award and account balance, schedule and grades
https://buzzport.gatech.edu

OSCAR
Public portal to access schedule of class, course catalog, institute calendars
https://oscar.gatech.edu
BuzzPort

- Class registration
- Final grades
- Order official transcripts
- Bursar
- Financial aid
- Registrar
- Links off to Lynda, library catalog
Registration

• Log into Buzzport - https://Buzzport.gatech.edu
• Click the Icon: Registration OSCAR
• Add CRNs to Worksheet (versus course name)

• New OMS students register in Phase 2 – (starting August 6)
  • Registration will close on August 24 at 4 p.m.
  • OMS Analytics advises students to register by Wednesday, August 15 to ensure they will have access to their course by Monday, August 20.
Advanced Standing & Opt-out

Advanced Standing Petition
  • Form to petition will be distributed late-August
  • Decision will made and processed in September

Foundational Course Opt-out Request
  • Applies to CSE 6040, ISYE 6501 and MGT 8803
  • Link to the request form will be distributed on Monday, July 30
  • Complete your request by Friday, August 3
Tuition

• Tuition
  • $275 per semester credit hour
• Mandatory Student Fees
  • $301 per semester
    • $107 – technology fee
    • $194 – special institutional fee

• Payment Deadline – August 27 at 4 p.m.
Important Deadlines

• Registration opens – August 6
• Complete registration – August 15
• First day of classes – August 20
• Drop/add ends – August 24 at 4 p.m.
• Payment deadline – August 27 at 4 p.m.
• Withdrawal deadline – October 27
Learning Management System & Exams
Learning Management System

View Course Announcements

Join Course Discussion Forum

Complete Your Assignments

What Check Your Grades

View Lecture Content Here

Look here to see what you need to do and where
How will you be assessed?

**Classroom Assessments**
- On-Going, Day-to-Day
  - e.g. Knowledge Checks
- Periodic, Continuous
  - e.g. Weekly Quizzes

**Milestone/Common Assessments**
- Periodically
  - Mid-Term(s)
  - Final Exam and/or Projects

*Digitally Proctored

- *The digital proctoring tool that is already integrated into your courses uses multi-factor biometric authentication to verify the identity of students, upon entry.

- *Each student will provide face, ID, and knuckle scans, which will be measured against the student’s baseline biometric profile, stored on file.
Who to contact
Program
omsanalytics@gatech.edu

• Registration holds
• GT account issues
• Grade verification letters for employers
• Schedule questions
• Withdrawals
• Personal circumstances

Course
Instructors/TAs, via Piazza

• Course questions
• Assessment questions
• Exam issues
• Grading
How to reach us?

omsanalytics@gatech.edu

404-385-5700
Questions?