

# ITM at Georgia Tech, Advising Brief

The ITM curriculum in Scheller prepares students to be competitive in three career paths that are much in demand by companies ranging from consulting firms to Fortune 500 companies to startups, and enables students to augment their skills and knowledge in two areas depending on their ambitions after graduation. The ITM Concentration within the BSBA requires 6 courses, 3 of which *must* be from Group A. The other courses may come from Group A or Group B.

ITM students should take **CS 1301** as their **computer literacy course** to provide a firm foundation in algorithmic thinking and to satisfy the prerequisites for other courses they may wish to take. CS 1315 does *not* provide that foundation.

## ITM Career Path Electives

| Consulting / Systems Analysis<br>and Design  | Business Analytics   | Information Use, Security,<br>and Privacy   |
|--|--|---|
| <b>Recommended Group A Electives</b>   |  |   |
| <ul style="list-style-type: none"> <li>MGT 4058: Database Management Systems (de facto requirement of all ITM students)</li> </ul> |  |   |
| <ul style="list-style-type: none"> <li>MGT 3745: Business Programming (<i>Java</i> or <i>JavaScript</i>)</li> </ul>                | <ul style="list-style-type: none"> <li>MGT 3745: Business Programming (<i>Python</i>)</li> </ul> | <ul style="list-style-type: none"> <li>MGT 4052: Systems Analysis &amp; Design</li> </ul>   |
| <ul style="list-style-type: none"> <li>MGT 4052: Systems Analysis &amp; Design</li> </ul>  | <ul style="list-style-type: none"> <li>MGT 4050: Business Analytics *</li> </ul>                 | <ul style="list-style-type: none"> <li>MGT 4450: Project Management</li> </ul>  |
| <ul style="list-style-type: none"> <li>MGT 4450: Project Management</li> </ul>   |  |   |
| <b>Recommended Group B Electives</b>   |  |   |
| <ul style="list-style-type: none"> <li>MGT 4057: Business Process Analysis and Design</li> </ul>                                   | <ul style="list-style-type: none"> <li>MGT 4803 Business Analytics II*</li> </ul>                | <ul style="list-style-type: none"> <li>MGT 4725: Information Security Strategies and Policy</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>MGT 4803 Data Prep and Visualization</li> </ul>           | <ul style="list-style-type: none"> <li>MGT 4726: Privacy, Technology, Policy, and Law</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>MGT 4803 (<i>Machine Learning</i>) **</li> </ul>          | <ul style="list-style-type: none"> <li>CS 4235: Intro to Information Security (prereq. CS1315 or CS1301 or CS 1371-“C” min. grade)</li> </ul> |

\* Business Analytics (MGT 4050) may be counted as a Group A elective if Business Analytics II is passed with a grade of “C” or better.

\*\* This course is not yet approved but is being prepared in anticipation of a 2022 Spring term offering. Be alert for announcements regarding the disposition of this course.

## Supporting Skills and Knowledge Electives

| <b>Consulting</b>                                     | <b>Project Management</b>   |
|---|---|
| <b>Recommended Group B Electives</b>                  |   |
| • MGT 3103: Leading in Changing Business Environments | • MGT 3103: Leading in Changing Business Environments             |
| • MGT 3663: Technology Strategy                       | • MGT 3744: Managing product, service, and technology development |
| • MGT 3743: Emerging Technologies                     | • MGT 4119: Leading Teams   |
| • MGT 4056: Electronic Commerce                       | • MGT 4193: Servant Leadership Values                             |
| • MGT 4102: Management Consulting                     |   |
| • VIP 2601, 3601, 3602, 4601, 4602*                   |   |

\* Students who earn 6 hours of VIP course credit with a grade of “C” or better in projects approved for the ITM Concentration may use 3 of those hours to fulfill 1 Group B elective in the ISBA concentration. Hours earned below 3 or greater than 3 may not be applied to the Group B requirement. However, they may count as non-business electives toward the BSBA degree or as free electives. Note: Students involved in VIP projects for 2 or more years will normally apply 3 or more VIP course credits to the non-business elective or free elective requirement for the BSBA.