## Sample Study Schedule

**Catalogue Term 2023-24**

### 2023-2024 (1st Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB2100 Introduction to Financial Accounting</td>
<td>3</td>
<td>CB2402 Macroeconomics</td>
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<tr>
<td>CB2400 Microeconomics</td>
<td>3</td>
<td>CB3410 Financial Management</td>
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<tr>
<td>CS1302 Introduction to Computer Programming</td>
<td>3</td>
<td>CS2310 Computer Programming</td>
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<tr>
<td>CS2204 Fundamentals of Internet Applications Development</td>
<td>3</td>
<td>GE2410 English for Engineering or GE2402 English for Business Communication</td>
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<tr>
<td>GE1401 University English</td>
<td>3</td>
<td>MA1201 Calculus and Basic Linear Algebra II or MA1301 Enhanced Calculus and Linear Algebra II</td>
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<td>MA1200 Calculus and Basic Linear Algebra I or MA1300 Enhanced Calculus and Linear Algebra I</td>
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### 2024-2025 (2nd Year)

<table>
<thead>
<tr>
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<th>Units</th>
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<tbody>
<tr>
<td>CS2115 Computer Organization</td>
<td>3</td>
<td>JC2066 IT Professionals: Ethical, Legal and Social Issues</td>
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<td>CS2312 Problem Solving and Programming</td>
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<td>CS3342 Software Design</td>
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<td>CS3342 Database Systems</td>
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<td>EF4313 Corporate Finance</td>
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<tr>
<td>EF3320 Security Analysis and Portfolio Management</td>
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<td>MA2510 Probability and Statistics</td>
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<tr>
<td>MA2001 Multi-variable Calculus and Linear Algebra</td>
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<td>MA3511 Ordinary Differential Equations</td>
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<tr>
<td>MA2185 Discrete Mathematics</td>
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<td>MS3601 Optimization Methods</td>
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### 2025-2026 (3rd Year)

<table>
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<tbody>
<tr>
<td>CS2611 Seminars on Contemporary Technology I</td>
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<td>CS2611 Seminars on Contemporary Technology I</td>
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<tr>
<td>CS3201 Computer Networks</td>
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<td>CS3334 Data Structures</td>
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<td>EF3520 Stochastic Calculus for Finance</td>
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<td>EF4820 Derivatives Pricing I: Stock and FX</td>
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<tr>
<td>EF4321 Derivatives and Risk Management</td>
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<td>EF4822 Financial Econometrics</td>
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<tr>
<td>MS2602 Statistical Inference</td>
<td>3</td>
<td>GE1501 Chinese Civilisation - History and Philosophy</td>
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<tr>
<td>MS3252 Regression Analysis</td>
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<td>MA3525 Elementary Numerical Methods</td>
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### 2026-2027 (4th Year)

<table>
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<tbody>
<tr>
<td>CS3505 IT Professional Internship</td>
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<td>CS3505 IT Professional Internship</td>
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<td>CS3343 Software Engineering Practice</td>
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<td>CS3103 Operating Systems</td>
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<tr>
<td>CS4334 Design &amp; Analysis of Algorithms</td>
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<td>GE-1 Gateway Education (Area) – GE (1)</td>
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<td>GE-2 Gateway Education (Area) – GE (2)</td>
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### 2027-2028 (5th Year)

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<th>Semester A</th>
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<tbody>
<tr>
<td>CB4001 Honor Thesis</td>
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<td>CS4514A Project</td>
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<tr>
<td>EN4262 English Communication Skills for Computing</td>
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<td>EF4328 Asset Management</td>
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<tr>
<td>EF4821 Derivatives Pricing II: Interest Rate and Credit Risk</td>
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<td>GE-4 Gateway Education (Area) – GE (4)</td>
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<td>GE-2 Gateway Education (Area) – GE (2)</td>
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<td>GE-3 Gateway Education (Area) – GE (3)</td>
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</table>

**Total Credit Units: 150 (minimum graduation requirement)**

**Maximum Credit Units: 180 (student may take a minor or opt to take more free electives provided that they have not yet reached the maximum credit limit or maximum period of study permitted.)**
<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>CS3185</td>
<td>Computer Architecture</td>
<td>CS4923</td>
<td>Topics in Cybersecurity</td>
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<tr>
<td>CS3283</td>
<td>Distributed Systems</td>
<td>CS4925</td>
<td>Mobile Application Programming</td>
</tr>
<tr>
<td>CS3346</td>
<td>Software Testing and Maintenance</td>
<td>CS4926</td>
<td>Cloud Computing</td>
</tr>
<tr>
<td>CS3356</td>
<td>Managing Software Projects</td>
<td>CS4927</td>
<td>Cloud Robotics and Automation</td>
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<tr>
<td>CS3382</td>
<td>Web Usability Design and Engineering</td>
<td>CS4928</td>
<td>iOS Application Development</td>
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<tr>
<td>CS3391</td>
<td>Advanced Programming</td>
<td>CS4929</td>
<td>Software Quality Management</td>
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<tr>
<td>CS3481</td>
<td>Fundamentals of Data Science</td>
<td>CS4930</td>
<td>Advanced Software Design</td>
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<td>CS3483</td>
<td>Multimodal Interface Design</td>
<td>CS4931</td>
<td>Advanced Software Design</td>
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<td>CS4182</td>
<td>Computer Graphics</td>
<td>CS4935</td>
<td>Topics in Software Engineering</td>
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<tr>
<td>CS4185</td>
<td>Multimedia Technologies and Applications</td>
<td>CS4936</td>
<td>AI Game Programming</td>
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<tr>
<td>CS4186</td>
<td>Computer Vision and Image Processing</td>
<td>CS4937</td>
<td>Decentralized Applications Development</td>
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<tr>
<td>CS4187</td>
<td>Computer Vision for Interactivity</td>
<td>CS4938</td>
<td>Information Security and Management</td>
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<tr>
<td>CS4188</td>
<td>Virtual Reality</td>
<td>CS4939</td>
<td>Data-Intensive Computing</td>
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<td>CS4280</td>
<td>Advanced Internet Applications Development</td>
<td>CS4940</td>
<td>Advanced Database Systems</td>
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<tr>
<td>CS4284</td>
<td>Mobile Computing</td>
<td>CS4941</td>
<td>Information Retrieval</td>
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<tr>
<td>CS4285</td>
<td>High Speed Multimedia Networks</td>
<td>CS4942</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CS4286</td>
<td>Internet Security and E-Commerce Protocols</td>
<td>CS4943</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>CS4288</td>
<td>Cryptographic Algorithms and Protocols</td>
<td>CS4944</td>
<td>Guided Study</td>
</tr>
<tr>
<td>CS4289</td>
<td>Pervasive Computing</td>
<td>CS4945</td>
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</table>

**Remarks:**

* Partial credit units for year-long courses, granted only if completing the whole course.

Please refer to the curriculum page for more information including Prerequisite and Precursor requirements of individual courses:

*Updated on 12 June 2024*