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Deputy Head (Programmes)
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## Bachelor of Computing
### Information Systems

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>S2</td>
<td>S1</td>
<td>S2</td>
</tr>
<tr>
<td>CS1010J</td>
<td>CS2030</td>
<td>IS2102</td>
<td>CS2105</td>
</tr>
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<td>IS1103</td>
<td>CS2040</td>
<td>IS2103</td>
<td>IS3106</td>
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<tr>
<td>ULR2</td>
<td>CS1231</td>
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| 20 MCs | 20 MCs | 20 MCs | 20 MCs | 20 MCs | 20 MCs | 20 MCs | 20 MCs |

TOTAL GRADUATION REQUIREMENTS = 160 MCs

Poly intake

For reference only
Bachelor of Computing

Information Systems

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
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<tbody>
<tr>
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<td>CS2030</td>
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<td>CS2105</td>
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<td>IS3106</td>
<td>ST2334</td>
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<td>MA1312</td>
<td>CS2102</td>
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<td>PE1</td>
</tr>
<tr>
<td>MA1301 (Take IS2101/ULR/UE)</td>
<td>IS2101</td>
<td>IS3103</td>
<td>ULR4</td>
<td>PE2</td>
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<tr>
<td>ULR1</td>
<td>ULR2</td>
<td>ULR3</td>
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</table>

20 MCs 20 MCs 20 MCs 20 MCs 20 MCs 20 MCs 20 MCs 20 MCs

TOTAL GRADUATION REQUIREMENTS = 160 MCs

A-level students with A-level Math are exempted MA1301 and can take CS1231

For reference only
Financial Technology Specialisation
Aims to equip students with good understanding of disruptive use of IT in financial sector

**Compulsory**
- IS4228 Information Technologies in Financial Services
- IS4302 Blockchain and Distributed Ledger Technologies
- IS4303 IT-Mediated Financial Solutions and Platforms

**FinTech Electives (Select any 3)**
- IS3221 Enterprise Resource Planning Systems
- IS4231 Information Security Management
- IS4233 Legal Aspects of Information Technology
- IS4234 Quality Control and Audit of IS
- IS4242 Intelligent Systems and Techniques
- IS4301 Agile IT with DevOps
Digital Innovation Specialisation
Aims to equip students to become visionaries and change leaders who will lead tech transformations of businesses

**Compulsory**
- IS3240 Digital Platform Strategy and Architecture
- IS3251 Principles of Technology Entrepreneurship
- IS4261 Designing IT-Enabled Business Innovations

**Digital Innovation Electives (Select any 3)**
- IS3150 Digital Media Marketing
- IS3261 Mobile Apps Development for Enterprise
- IS4204 IT Governance
- IS4233 Legal Aspects of Information Technology
- IS4242 Intelligent Systems and Techniques
- IS4243 Information Systems Consulting
E-Commerce Specialisation
Aims to equip students with the technical and business knowledge in E-Commerce

**Compulsory**
- IS3150 Digital Media Marketing
- IS4151 Pervasive Technology Solutions and Development
- IS4261 Designing IT-Enabled Business Innovations

**E-commerce Electives (Select any 3)**
- IS3240 Digital Platform Strategy and Architecture
- IS3261 Mobile Apps Development for Enterprise
- IS4228 Information Technologies in Financial Services
- IS4231 Information Security Management
- IS4242 Intelligent Systems and Techniques
- IS4243 Information Systems Consulting
# Bachelor of Science

## Business Analytics

### A-Level Intake

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
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<tr>
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<td>CS2030</td>
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<td>IS2101</td>
<td>ULR1</td>
<td>ULR4</td>
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<td>MA1521 or MA1102R</td>
<td>ST2334</td>
<td>ULR2</td>
<td>ULR5</td>
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<table>
<thead>
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<td>S1</td>
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<tr>
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<td>IS4010 (12 MCs)</td>
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<tr>
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<tr>
<td>UE7</td>
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<tr>
<td>UE8</td>
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</table>

- **20 MCs**
- **20 MCs**
- **20 MCs**
- **20 MCs**
- **20 MCs**
- **20 MCs**
- **20 MCs**
- **20 MCs**

**TOTAL GRADUATION REQUIREMENTS = 160 MCs**

**ULR = University Level Requirements**  
**PE = Programme Electives**  
**UE = Unrestricted Electives**  

*For reference only*
Bachelor of Science

Business Analytics

Poly Intake (With module exemptions)

<table>
<thead>
<tr>
<th>Year 1</th>
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<tr>
<td>S1</td>
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</tr>
<tr>
<td>MA1521 or MA1102R</td>
<td>ST2334</td>
<td>ULR2</td>
<td>PE2</td>
</tr>
</tbody>
</table>

|        |        |        |        |
| S1     | S2     | S1     | S2     |
| BT3102 | PE3    | IS4010 (12 MCs) | PE6 |
| BT4103 (8 MCs) | PE4 | PE5 | UE5 |
| !IS1103 | PE1 | UE1 | UE4 |
| MA1311 or MA1101R | PE2 | UE2 | UE7 |
| MA1521 or MA1102R | PE3 | UE3 | UE8 |

16 MCs 20 MCs 20 MCs 20 MCs 20 MCs 12 MCs 16 MCs 12 MCs

TOTAL GRADUATION REQUIREMENTS = 160 MCs - 20 MCs from Unrestricted Elective – 4 MCs from Core

ULR = University Level Requirements  PE = Programme Electives  UE = Unrestricted Electives

For reference only
Programme Electives (PE)

Choose 6 modules to make up 24 MCs from Lists A, B and C, with at least 2 modules each from Lists A and B. 5 of 6 modules must be at level-4000.

List A (Business Applications)

List B (Analytics Methods)

List C (Technology Implementation)
To be awarded the Financial Analytics Specialisation, students must satisfy the followings:

**Compulsory modules (do all 3 modules):**

- BT4013 Analytics for Capital Market Trading and Investment (List A)
- BT4016 Risk Analytics for Financial Services (List A)
- IS4228 Information Technologies in Financial Services (List C)

- BT3102
- BT2101 & BT2102
- IS3101 / IS3103

**Elective modules (select any 3 modules):**

- BT4012 Fraud Analytics (List B)
- BT4221 Big Data Techniques and Technologies (List B)
- BT4222 Mining Web Data for Business Insights (List B)
- IS4302 Blockchain and Distributed Ledger Technologies (List C)
- IS4234 Quality Control and Audit of IS

- BT3102
- BT2101 & BT2102 & CS2040
- BT2102 & CS2030
- BT2102 & CS2030
Bachelor of Science
Business Analytics

To be awarded the Marketing Analytics Specialisation, students must satisfy the followings:

Compulsory modules (do all 3 modules):
- BT4211 Data-Driven Marketing
  List A
  MKT1705X & BT3101 & BT3102
- BT4212 Search Engine Optimization and Analytics
  List A
  CS1010S & BT2101 & ST2334
- BT4222 Mining Web Data for Business Insights
  List B
  BT2102 & CS2030

Elective modules (select any 3 modules):
- BT4014 Analytics Driven Design of Adaptive Systems
  List C
  BT2102
- BT4015 Geospatial Analytics
  List B
  ST2334 & BT2101 & BT2102 & CS2040
- BT4221 Big Data Techniques and Technologies
  List B
  BT2101 & BT2102 & CS2040
- IS3240 Digital Platform Strategy and Architecture
  List A
  IS1103 & BT2102
- IS4241 Social Media Network Analysis
  List B
  CS2030
Industry Internship Programme (IIP)

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ohlb@nus.edu.sg

• 12-MC, 24-week compulsory internship requirement (IIP, ATAP, NOC, iLEAD)
  • After 80MCs and some core module prerequisites
• Pair Internship Programme started in 2015
  • January-June or May-October
  • For both IS and BA students as IS4010
  • *Letter graded* instead of Completed Satisfactory/ Completed Unsatisfactory (CS/CU)
  • Co-defined learning objectives with both your supervisors
  • Highly structured project; meaningful and challenging tasks to improve your employability
• Computing Foundations
  • Capacity to learn
• Collaborative and Interpersonal Communication Skills
  • Identify suitable IIP partner
  • Internship interview and during internship
• Make good use of CFG resources
• IIP briefing session every semester (August and February)
Co-Operative Education Programme

- Integrates academic studies with relevant work experience
- Students complete multiple industrial attachment stints alternating with regular academic semesters over their 4-year candidature at NUS.
- Students can expect to work at an attached company for three internships (about 64 weeks or around 16 months).

Benefits of the programme

- Have a solid hands-on industry experience even before students graduate,
- Apply the knowledge students learnt in classes immediately,
- Gain deep knowledge on how a company operates in the domain of study,
- Establish an early and enduring relation with an attached company,
- Get a head start for future career, and
- Graduate in four years with careful planning.
## Business Analytics

### Co-Operative Education Programme (A-level intake)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sem 1 (early-Aug–mid-Dec)</td>
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<td>Sem 1</td>
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<tr>
<td>Sem 2 (Jan–early May)</td>
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</tr>
<tr>
<td>Special term (mid-May–end-July)</td>
<td>Special term</td>
<td>Special term</td>
<td>Special term</td>
</tr>
</tbody>
</table>

- **NUS**
- **1st internship (~12 weeks)**
- **2nd internship (~24 weeks)**
- **3rd internship (~28 weeks)**

---

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Associate Professor
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1. The poly-intake students (with no more than 20MCs exemption) need to complete about 148MCs to graduate.
2. Poly-intake with 28MCs exemption (20MCs + 2 other core modules) need to complete about 140MCs to graduate.
Pointer to take note

- Check your NUS and Comp emails regularly.
- Find your team mate(s)
- Watch out your CAP
  - To graduate, you need a minimum CAP of 2.00.
  - To continue in an undergraduate programme of study, a student may not have CAP below 2.00 for two consecutive semesters.
    - For any semester in which the student's CAP falls below 2.00, s/he will be placed on probation.
    - If the student's CAP remains below 2.00 for the second consecutive semester, the student will be issued a letter of dismissal by the Registrar and denied re-admission.

<table>
<thead>
<tr>
<th>Honours Degree Classification</th>
<th>Criteria</th>
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<tbody>
<tr>
<td>Honours (Highest Distinction)</td>
<td>CAP 4.50 and above</td>
</tr>
<tr>
<td>Honours (Distinction)</td>
<td>CAP 4.00 – 4.49</td>
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<tr>
<td>Honours (Merit)</td>
<td>CAP 3.50 – 3.99</td>
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<td>Honours</td>
<td>CAP 3.00 – 3.49</td>
</tr>
<tr>
<td>Pass</td>
<td>CAP 2.00 – 2.99</td>
</tr>
</tbody>
</table>

THE Benedict  
Lecturer  
Curriculum Committee Member (Business Analytics)  
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Pointers to take note

S/U Option

- S/U option: obtain either a Satisfactory (S) or an Unsatisfactory (U) record for the module
  - Not included in the calculation of your performance
  - 3-day window to decide on S/U after release of exam results
  - Irrevocable!

Notes: You must score a minimum “C” grade to get “S”. Otherwise your transcript will show “U” (Unsatisfactory) for the module.
- “U” also means that the module cannot be counted as satisfying a pre-requisite.
Pointers to take note

Follow the DISA fb fan page

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