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# University of Pretoria Yearbook 2016

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## BIS Information Science (12131004)

<b>Duration of study</b>	3 years
<b>Total credits</b>	423
<b>Contact</b>	Prof MA Holmner <a href="mailto:marlene.holmner@up.ac.za">marlene.holmner@up.ac.za</a> +27 (0)124205215

### Programme information

The increasing amount of information available and developing information needs have necessitated the training of information intermediaries to effectively facilitate the bringing together of users and the information they require.

This package focuses on the use of information technology and the processing of information products and is designed to train students in the management, retrieval and organisation of information, as well as to teach them how to add value to, package and distribute information. Students will also have the opportunity to develop knowledge and skills in the management of one of the most important resources of enterprises – information and knowledge. Two or three specialisation options are available, depending on the electives chosen.

### Admission requirements

- In order to register NSC/IEB/Cambridge candidates must comply with the minimum requirements for degree studies as well as with the minimum requirements for the relevant study programme.
- Life Orientation is excluded when calculating the APS.
- Grade 11 results are used in the provisional admission of prospective students.
- A valid National Senior Certificate (NSC) with admission to degree studies is required.
- Minimum subject and achievement requirements as set out below are required. On first-year level a student has a choice between Afrikaans and English as language medium. In certain cases tuition may be presented in English only for example in electives where the lecturer may not speak Afrikaans or in cases where it is not economically or practically viable.
- Provisional admission to the four-year programme in the School of Engineering is only guaranteed if a prospective student complies with ALL the requirements below.

#### Note

Candidates who do not comply with the minimum requirements, set out above, but who have obtained a minimum APS of 30, an achievement level of 5 for English or Afrikaans, 6 for Mathematics and 5 for Physical Science, will be considered for provisional admission to either the four-year programme or the ENGAGE programme based on the results of the compulsory NBT.

Admission to ENGAGE in the School of Engineering will be determined by the results of the NBT, NSC results, an achievement level of 5 in Mathematics and 4 in Physical Science, as well as an achievement level of 4 in Afrikaans or English, together with an APS of 25.



Students may apply directly to be considered for the ENGAGE programme.

Minimum requirements for 2016				
Achievement level				
Afrikaans or English				APS
NSC/IEB	HIGCSE	AS-Level	A-Level	
4	3	D	D	28 (25-27 admission based on the NBT)

Should a candidate obtain an APS of 25 to 27 consideration for admission will be based on the results of the NBT provided the quotas regarding student numbers have not been reached. If informatics is selected at first-year level an achievement level of 5 is required in Mathematics.

## Other programme-specific information

Because credits are not calculated in the same way in all faculties, students should ensure note that the total number of credits required for this package is at least 415-458 depending on the choice of elective modules (as required for Group A, B or C).

### Please Note:

Because credits are not calculated in the same way in all faculties, students should take note that the total number of credits required for Group A is at least 70 and 90 for Groups B and C.

1. A candidate who has obtained at least 4 (50-59%) in Mathematics in the Grade 12 examination, or at least 50% in both WTW 133 and WTW 143 will be admitted to Informatics 112;
2. A candidate who has obtained at least 5 (60-69%) in Mathematics, or has passed WTW 133 and WTW 143, will be admitted to Informatics, 154, 164 and 171.
3. Prerequisite for INF is at least level 5 (60-69%) in Mathematics in the Grade 12 examination or WTW 101 or (WTW 133 and WTW 143) as well as the module prerequisites.



# Curriculum: Year 1

**Minimum credits: 110**

## Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00

Academic literacy for Information Technology 121 (ALL 121) - Credits: 6.00

Academic orientation 112 (UPO 112) - Credits: 0.00

## Core modules

Information science 110 (INL 110) - Credits: 12.00

Information science 120 (INL 120) - Credits: 12.00

Information science 130 (INL 130) - Credits: 12.00

Information science 140 (INL 140) - Credits: 12.00

Business management 114 (OBS 114) - Credits: 10.00

Business management 124 (OBS 124) - Credits: 10.00

## Elective modules

Industrial and organisational psychology 110 (BDO 110) - Credits: 10.00

Industrial and organisational psychology 120 (BDO 120) - Credits: 10.00

Principles of marketing management 110 (BEM 110) - Credits: 10.00

Informatics 112 (INF 112) - Credits: 10.00

Informatics 154 (INF 154) - Credits: 10.00

Informatics 164 (INF 164) - Credits: 10.00

Communication management 181 (KOB 181) - Credits: 5.00

Communication management 182 (KOB 182) - Credits: 5.00

Communication management 183 (KOB 183) - Credits: 5.00

Communication management 184 (KOB 184) - Credits: 5.00

Criminology 110 (KRM 110) - Credits: 12.00

Criminology 120 (KRM 120) - Credits: 12.00

Politics 111 (PTO 111) - Credits: 12.00

Politics 120 (PTO 120) - Credits: 12.00

Psychology 110 (SLK 110) - Credits: 12.00

Psychology 120 (SLK 120) - Credits: 12.00

Public administration 112 (PAD 112) - Credits: 10.00

Public administration 122 (PAD 122) - Credits: 10.00

Marketing applications 122 (BEM 122) - Credits: 10.00

Informatics 171 (INF 171) - Credits: 20.00



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## Curriculum: Year 2

**Minimum credits: 160**

### Core modules

- Information science 210 (INL 210) - Credits: 20.00
- Information science 220 (INL 220) - Credits: 20.00
- Information science 240 (INL 240) - Credits: 20.00
- Community-based project 202 (JCP 202) - Credits: 8.00
- Communication management 210 (KOB 210) - Credits: 16.00
- Communication management 220 (KOB 220) - Credits: 16.00
- Business management 210 (OBS 210) - Credits: 16.00
- Business management 220 (OBS 220) - Credits: 16.00

### Elective modules

- Informatics 214 (INF 214) - Credits: 14.00
- Informatics 225 (INF 225) - Credits: 14.00
- Informatics 261 (INF 261) - Credits: 7.00
- Informatics 271 (INF 271) - Credits: 14.00
- Informatics 272 (INF 272) - Credits: 14.00
- Information science 230 (INL 230) - Credits: 20.00
- Information science 260 (INL 260) - Credits: 20.00
- Information science 270 (INL 270) - Credits: 20.00



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## Curriculum: Final year

**Minimum credits: 145**

### Core modules

Information science: Information organisation 310 (INL 310) - Credits: 30.00

Information science: Information and knowledge management 320 (INL 320) - Credits: 30.00

Information science 370 (INL 370) - Credits: 15.00

### Elective modules

Informatics 315 (INF 315) - Credits: 15.00

Informatics 324 (INF 324) - Credits: 15.00

Information science: Digital repositories 340 (INL 340) - Credits: 30.00

Information science: Socio-political aspects of information in global context 360 (INL 360) - Credits: 30.00

Information science: Competitive intelligence 380 (INL 380) - Credits: 30.00

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.