B.Sc. in INFORMATION TECHNOLOGY

Computer Science & Information Systems

CAREER POSSIBILITIES: SOUTH AFRICA & INTERNATIONAL

- Programmer
- Systems analyst; -designer
- Project leader
- Database designer; Database administrator
- IT-problem solver; Entrepreneur
- Management orientated facets

ADMISSION REQUIREMENTS

- Matriculation exemption
- APS score of 24
- Specific requirements:
  - Mathematics level 4 (50 - 59%)

SUBJECT DISTRIBUTION

- Compulsory modules: 36 credits
- Mathematics: 20 credits
- Statistics: 24 credits
- Accounting: 32 credits
- Business management: 28 credits
- Computer Subjects: 252 credits

PROGRAMME OUTCOMES

- Design, development and delivering of systems
- Contribute to managing information and -sources
- Solving of IT-related problems
- Life-long student
- Entrepreneurship

COMPUTER SUBJECTS

- Programming (e.g. C#, Java)
- Systems (Complete life cycle: in groups)
- Decision support systems (Management support)
- Databases (Oracle: International certification)
- Networks and Operating Systems
- Artificial intelligence & Expert systems
- Modern IT-developments/Trends

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Sem 1</th>
<th>Databases I</th>
<th>Expert systems</th>
<th>Communication skills</th>
<th>Operating systems</th>
<th>Artificial intelligence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sem 2</td>
<td>Databases II</td>
<td>Computer networks</td>
<td>IT-trends</td>
<td>Decision support system II</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Sem 1</th>
<th>Graphical user interface programming I (C#)</th>
<th>Programming I (Java)</th>
<th>Statistics I</th>
<th>Financial accounting I</th>
<th>Introduction to business management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sem 2</td>
<td>Graphical user interface programming II (C#)</td>
<td>Programming II (Java)</td>
<td>Statistics II</td>
<td>Financial accounting II</td>
<td>Academic literacy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Sem 1</th>
<th>Introduction to computers and programming</th>
<th>Mathematics</th>
<th>Statistics I</th>
<th>Financial accounting I</th>
<th>Introduction to business management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sem 2</td>
<td>Graphical user interface programming I (C#)</td>
<td>Programming I (Java)</td>
<td>Statistics II</td>
<td>Financial accounting II</td>
<td>Academic literacy</td>
</tr>
</tbody>
</table>

Enquiries: Prof. Tjaart Steyn • (018) 299 2533 • e-mail: tjaart.steyn@nwu.ac.za
Enquiries: Secretary • (018) 299 2531 • e-mail: kobie.fourie@nwu.ac.za