Department of Computer Science

Why Study @ UCT
• Best university in Africa
• Our degree accredited with British Computer Society
• Excellent facilities
• Degree follows ACM and IEEE standards
• Department has won its division in international programming competitions
• Beautiful Campus

Why Study Computer Science
• Global shortage of IT professionals
• South Africa faces shortfall of 20 000 IT professionals
• Ideal to combine with other subjects
• Innovative subject that changes constantly
• Skill set is internationally transferable

Typical Degree Programmes
• Computer Engineering
• Computer Games Design
• Business Computing
• Applied Computing
• Bioinformatics
• Geoinformatics
• Applied Computing

Course Content
First Year
• Java programming
• Computer architecture

Second Year
• Data structures and C++
• Databases
• Software Engineering
• HCI

Third Year
• Operating Systems
• Networks
• Advanced programming

Research Areas
• Networks
• Cluster Computing
• Mobile Devices
• Computer Games
• Sensor Networks
• Computer Graphics
• ICT4D

How Do I Gain Admission?
• Matric points are the primary guide for admission
• From the table on the left, convert your NSC points into UCT points
• Double your Maths grade and your highest science grade
• Total all your grades as in the table on the right
• If you have 43 points you will be considered for entry
• If you have 45 points or more you will most likely be accepted
• If you have less than 43 points you may be eligible for the General Entry Programme

<table>
<thead>
<tr>
<th>Subject</th>
<th>UCT Points</th>
<th>Scaling</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Afrikaans</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Geography</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Maths</td>
<td>6</td>
<td>6x2=12</td>
</tr>
<tr>
<td>Phys. Sci.</td>
<td>7</td>
<td>7x2=14</td>
</tr>
<tr>
<td>History</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>36</td>
<td>49</td>
</tr>
</tbody>
</table>

Department of Computer Science, University of Cape Town
email: dept@cs.uct.ac.za :: tel: 021 650 2663 :: fax: 021 650 3551 :: web: www.cs.uct.ac.za