IIE Bachelor of Computer and Information Sciences in Application Development

Faculty of Science & Technology

The IIE Bachelor of Computer and Information Sciences in Application Development provides candidates with a thorough theoreticalgrounding and knowledge base in the key principles of information technology (IT), programming, mobile application development across platforms, web development, database design, troubleshooting, testing, connectivity, customisation and project management. Graduates will develop meaningful software development acumen grounded in a deep understanding of holistic application program-ming and development. This qualification has been designed to develop graduates' abilities to design, code, implement and manage solution-focused by producing systemic thinkers who can develop software solutions for any device or platform.

DEGREE	CONTACT	FULL-TIME

www.iiemsa.co.za

Curriculum

MODULES							
YEAR 1							
SEMESTER 1				**SEMESTER 2**			
Code	**Module Name**	**NQF**	**Credit**	**Code**	**Module Name**	**NQF**	**Credit**
MAPC5112	Mathematical Principles for Computer Science	5	15	ITPP5112	IT Professional Practice	5	15
CONES5111	Computer Networks 1A	5	15	CONE5112	Computer Networks 1B	5	15
PROG5121	Programming 1A	5	15	PROG6112	Programming 1B	6	15
INSY5111	Information Systems 1A	5	15	INSY6112	Information Systems 1B	6	15

MODULES							
YEAR 2							
SEMESTER 1				**SEMESTER 2**			
Code	**Module Name**	**NQF**	**Credit**	**Code**	**Module Name**	**NQF**	**Credit**
CLDV6211	Cloud Development A	6	15	CLDC6212	Cloud Development B	6	15
PRSE6212	Principles of Security	6	15	INSY6212	Information Systems 2B	6	15
PROG6221	Programming 2A	6	15	PROG6212	Programming 2B	6	15
INSY6211	Information Systems 1A	6	15	INSY7213	Information Systems 2C	7	15

MODULES							
YEAR 3							
SEMESTER 1				**SEMESTER 2**			
Code	**Module Name**	**NQF**	**Credit**	**Code**	**Module Name**	**NQF**	**Credit**
IRIT7311	Introduction to Research for ICT	7	15	INSY7314	Information Systems 3D	7	15
INSY7311	Information Systems 3A	7	15	INSY7315	Information Systems 3E	7	15
PROG7311	Programming 3A	7	15	PROG7312	Programming 3B	7	15
PROG7313	Programming 3C	7	15	PROG7314	Programming 3D	7	15

IIE Bachelor of Computer and Information Sciences in Application Development

3 YEARS FULL-TIME | NQF LEVEL 7 | MINIMUM 360 Credits | SAQA ID: 97600

Articulation Options

For the Faculty of Science & Technology, the following qualification allow you to articulate into the Bachelor of Computer and Information Sciences in Application Development should you meet the requirements:

- IIE Higher Certificate in Mobile Application and Web Development

For alternative articulation options within our other faculties, please contact your campus for further information.

NQF 5 Higher Certificate	
NQF 7 Bachelor's Degree	✔
NQF 8 Honours Degree or Postgraduate Diploma	
NQF 9 Master's Degree	

Career Opportunities

This qualification will open up an attractive range of career options. These opportunities include, but are not limited to
- Business Analyst
- Cloud Computing Developer
- Cloud Computing Consultant
- Cloud Integrator
- Database Developer
- Dynamic Web Developer
- Development Operations Engineer
- Mobile Developer
- Software Developer
- Software Development Project Manager
- Software Development

Timetables

This qualification is aimed at students who wish to complete full-time fact-to-face studies for the duration of their qualification. This means that students are expected to be available throughout the day for class in the academic year depending on how the timetable is structured. Students may also be required to write assessments or submit coursework or assignments outside of normal class time. Students who would like to pursue part time employment opportunities outside of the academic programme must prioritise their studies and avoid committing to work schedules until after they have received their timetables and academic calendar from the institution. Students must also note that timetables remain subject to change throughout the academic year.

Admission Requirements

There are prerequisites for this programme that must be met in order to progress through the qualification.

National Senior Certificate (NSC)
Bachelor pass with English (30%) and Mathematics (40%) or Mathematical Literacy (60%)

National Certificate (Vocational) (NC(V))
Bachelor pass with English (50%) and Mathematics (50%) or Mathematical Literacy (60%)

Senior Certificate (SC)
Endorsement with English (33.3%) and Mathematics (40%) or Mathematics Literacy (50%)

Senior Certificate (Amended) (SC(a)
Bachelor pass with Math (40%) or Math Lit (50%). A minimum of 30% in LOLT in NSC/ SC(a) OR with a min. of 33.3% on SC

International
An USAf Exemption Certificate is required and meeting the relevant Maths and English requirements.

A cognate Higher Certificate OR cognate 240 credit Diploma OR an Advanced Certificate OR 360 credit Diploma or Degree may satisfy the minimum admission requirements to degree studies.

If discipline not cognate at least 20% of credits must be academic literacy or numeracy related.

SHAPE YOUR DEGREE. YOUR FUTURE. YOUR CAREER.

CONTACT US

GENERAL

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Website: www.iiemsa.co.za

Call: +27 11 950 4009

WhatsApp: 067 776 1276
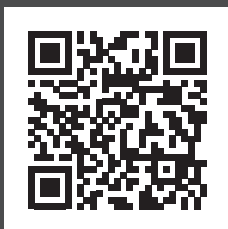
CAMPUS ADDRESS

IIE MSA

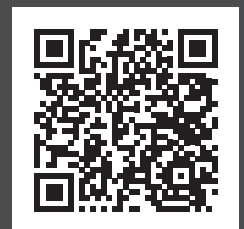144 Peter Road, Ruimsig, South Africa

Look for us on social media

Apply online

Experience our campus via instagram

IIE MSA is located conveniently:
- Approximately a 30 minute drive north of Johannesburg
- Oliver Tambo International Airport is about 45 minutes from campus
- Lanseria Airport is 20 minutes away

Google plus code:
WV8G+MH Roodepoort, South Africa
Google Maps link: