



# PROSPECTUS 2012



*Umfolozzi College*  
FOR FURTHER EDUCATION AND TRAINING



# Contents

<b>Introduction</b>	1
<b>All about FET</b>	2
<b>FET Programmes Structure</b>	3
<b>Umfolozzi College Programmes</b>	
• National Certificate (Vocational)	4
• National Certificates & Diplomas	5
• Skills Training	5
<b>Programme Subjects per Level</b>	
<b>National Certificate (Vocational)</b>	
• Civil Engineering & Building Construction	6
• Electrical Infrastructure Construction	6
• Education & Development	7
• Engineering & Related Design	6
• Finance, Economics & Accounting	7
• Hospitality	7
• Information Technology & Computer Science	7
• Office Administration	8
• Primary Agriculture	8
• Process, Plant & Operations	8
• Tourism	8
• Transport & Logistics	8
<b>Business Studies (N4 - N6)</b>	
• Business Management	9
• Financial Management	9
• Human Resources Management	9
• Management Assistant	9
• Public Management	9
<b>Engineering Studies (N4 - N6)</b>	
• Electrical	10
• Electro-Mechanical	10
• Electronics	10
• Instrumentation	11
• Mechanical	11
• Production	11
<b>Government Certificate of Competency</b>	12
<b>Trade Test Centre - Mandeni Campus</b>	13
<b>ITC Skills Programmes - NIIT</b>	13

Welcome to Umfolozi College. Our College offers National Certificate (Vocational) and Diploma courses in a range of Business and Engineering fields at four main campuses across northern KwaZulu-Natal. In addition, eight skills campuses offer a variety of skills training in rural communities. The college also engages in co-operative and learnership programmes.

This publication aims to provide prospective students with detailed information about courses and programmes currently on offer at our various campuses. Please study the contents carefully and discuss your options with Student Support Services or with any of our Senior Lecturers before making your final choices as these will impact on your future study options and your career.

### **What you need to know:**

- The availability of courses and subjects listed in this publication will depend on the number of students enrolled
- National Certificate (Vocational) programmes are offered on a full-time basis only. New NC(V) students are required to complete a placement assessment prior to registration.
- N4 - N6 programmes are offered on a full-time and part-time basis only.
- All prospective students are required to complete an application evaluation form as set by the specific Campus at which they wish to study.
- The College offers a range of short courses which are flexible and can be offered according to company needs (e.g. languages, computer packages etc.). See the section on Skills Training (pg. 5) for further details.
- Through the Department of Education & Training's FET Colleges' Bursary scheme, bursaries are available to qualifying NC(V) and full-time N-Level students. Enquires can be made at Student Support Services at 035 797 4319 or at your nearest campus.

### **Student Support:**

Umfolozi College offers Student Support Services to all prospective and current students of its various campuses.

Services include:

- Career Guidance
- SRC Training
- Leadership Training
- Counselling
- Lifeskills Training

Student Support Services Facilities include:

- Student Support Centres
- Counselling Rooms
- Internet Cafes
- Study Centres
- Resource Centres
- The Zululand Career Centre  
(at the ZCBF Community Park)
- SRC Offices

**Umfolozi College Student Support Services**  
**Tel: 035 797 4319**



# About FET

Umfolozzi College is one of 9 public Further Education & Training (FET) Colleges in KwaZulu-Natal, and one of 50 in South Africa. But, what is a public FET College?

Public **Further Education and Training (FET) Colleges**, which fall under the governance structures of the Department of Higher Education & Training, strive to provide high-quality education and training to help you equip yourself with the qualifications and skills you need to start out on a chosen career path. At an FET College you gain invaluable life skills to meet the many challenges of the working world, not just a paper qualification.

Public FET Colleges also work closely with role players and stakeholders from various industries to help fulfill the great need that exists for trained, skilled and qualified employees through customised education and training programmes.

## **FET Colleges are able to offer the following qualifications:**

- **National Diploma**

A National Diploma (M+3/NQF5) Qualification is awarded to students who have completed their N4 – N6 in a specific field at an FET College, and are able to provide proof that the required relevant in-service training period has been completed. The full duration including completion of studies and in-service training is usually 3 years. A schedule of Diploma programmes available at Umfolozzi College can be found on pg. 5.

- **National Certificate (Vocational)**

A range of vocationally based programmes introduced at FET Colleges in 2007. See pg. 4 for further details and a schedule of NC(V) programmes offered at Umfolozzi College in 2012.

- **Artisan Training and Trade Testing**

See pg. 13

- **Skills programmes**

Short duration skills based programmes offered by FET Colleges, usually from rurally located skills campuses. See pg. 5 for a schedule of skills training programmes offered by Umfolozzi College.

- **Co-operative Training & Support**

This is training for young people on the fundamentals of establishing and managing a youth co-operative business. A co-operative is an autonomous association of persons united voluntarily to meet their common economic, social, and cultural needs and aspirations through a jointly-owned and democratically-controlled enterprise. For further information contact the Programmes Department on 035 902 9594.

- **Learnships**

A training programme that combines theory at a college or training centre with relevant practice on-the-job. It is a legally binding agreement between an employer, a learner (typically an existing employee of the company) and a training provider. For further information contact the Programmes Department on 035 902 9594.

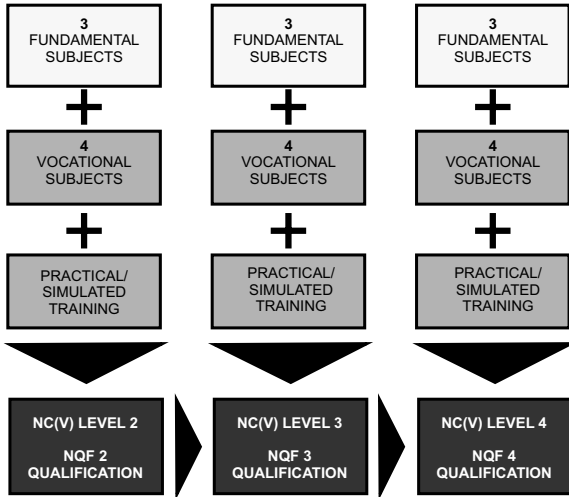
**FET Colleges are accredited by the national accreditation board UMALUSI.**



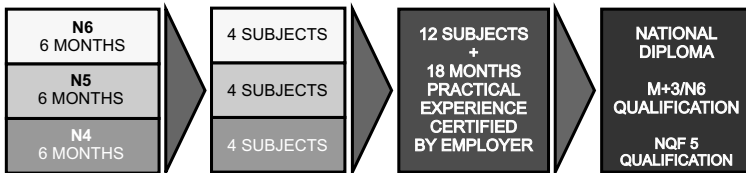
# FET PROGRAMMES

# Structure

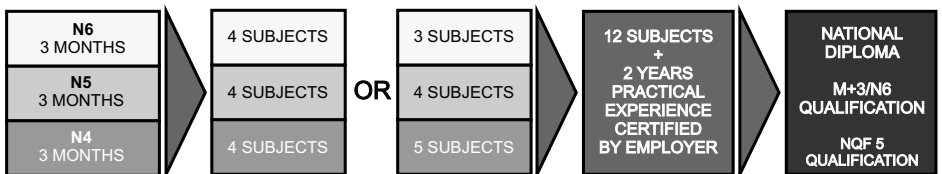
## NATIONAL CERTIFICATE (VOCATIONAL)



## BUSINESS DIPLOMA



## ENGINEERING DIPLOMA



## What is NC(V)?

The National Certificate (Vocational) is a new set of national qualifications designed to provide people with a high level of marketable skills. Each of the programmes provides in-depth knowledge in its specific field, opening doors to NC(V) graduates in a range of occupations within the specific field.

## Who is NC(V) for?

NC(V) is for anyone who wants to gain the knowledge and practical skills necessary to access their dream career. The minimum entry requirement is a Grade 9 or NQF Level 1 Qualification, **BUT** the programme is very challenging and is well suited to people with higher qualifications who are wanting to access a specific field.

## How long does it take?

Each of the 3 NC(V) levels currently offered take 1 year to complete. Ideally students should complete all three levels.

## When can you enrol?

Applications are accepted from around October each year. Registrations take place once a year, in January. Students should apply as soon as possible (once applications open) as a placement assessment must be completed, and limited space is available for NC(V) students. Contact your nearest campus or visit [www.umfolozicollege.co.za](http://www.umfolozicollege.co.za) for applicable application and registration dates for the next academic year.

## Need financial assistance for your NC(V) studies?

The Department of Further Education & Training's FET Colleges Bursary Scheme has been established to assist students who have the potential to succeed at NC(V) studies, but would not be able to do so without financial aid.

## When to apply:

After enrolling in an NC(V) programme. Applications forms will be distributed at induction.

## How to apply:

- Enrol for your chosen NC(V) programme.
- Obtain an application form during induction.
- Complete the form and return it to the campus. Ensure that you submit your form **BEFORE THE CLOSING DATE** and provide **ALL** requested supporting documentation.

- Qualifying applications will then be submitted to the Umfolozi College Bursary Committee for consideration. Bursaries will be awarded based on financial need and academic performance within the confines of the funds allocated to the College by the Department of Higher Education & Training.
- **IMPORTANT:** Students enrolling for NC(V) programmes are required to pay 25% of their fees on registration. However, students should ensure that they have the means to pay the full study and related fees for their programme, according to college requirements and deadlines, and not rely on receiving a bursary as bursary funds are limited, and are awarded according to strict pre-determined criteria. Students who do not receive bursaries will be liable for their own outstanding student accounts.

## NC(V) programmes at Umfolozi College in 2012:

Programme	CAL	Eshowe	Esikhawini	Mandeni	Richtek
Civil Engineering & Building Construction			•		
Education & Development				•	
Electrical Infrastructure Construction		•		•	•
Engineering & Related Design			•	•	•
<i>Automotive Repair</i>				•	
<i>Engineering Fabrication (Welding)</i>				•	
<i>Fitting &amp; Machining</i>			•	•	•
<i>Physical Science</i>			•		
Finance, Economics & Accounting			•		•
Hospitality		•	•		
IT & Computer Science					•
Office Administration	•	•		•	•
Primary Agriculture		•			
Process Plant Operations				•	
Tourism					•
Transport & Logistics			•		

# National Certificates & Diplomas

Programme		CAL	Eshowe	Esikhawini	Mandeni	Richtek	Sundumbili
<b>BUSINESS STUDIES HET LEVEL COURSES</b>  (N4 - N6) SEMESTER BASED	Business Management		FT	FT	FT	F&PT	
	Financial Management			FT		PT	
	Human Resources Management	FT	FT	FT	PT	PT	
	Public Management	FT		FT		PT	
<b>ARTISAN DEVELOPMENT (N2 - N3) SEMESTER BASED</b>	Electrical		FT	PT			
	Mechanical-Motormechnics						FT
	Mechanical-Welding						FT
<b>ENGINEERING STUDIES HET LEVEL COURSES</b>  (N4 - N6) SEMESTER BASED	Electrical			FT	PT	F&PT	
	Electro Mechanical			FT	PT	PT	
	Electronics				PT	PT	
	Instrumentation			FT	PT	PT	
	Mechanical				PT	PT	
	Production				PT		
<b>HET (M+4)</b>	Government Certificate of Competency				PT	PT	

Financial assistance is available to qualifying, full-time NATED students. Speak to your campus or Student Support Services for further information. **PT = Part-Time FT = Full-Time**

# Skills Training

Course	Albert Luthuli	Esikhawini	Eshowe	Isithebe	Jininindomyama	Mandeni	Nseleni	Richtek	Sikhanysese	Sundumbili	Thubelithe	ZCBF
ABET							•			•		
Bricklaying & Plastering	•				•		•			•	•	
Carpentry	•				•					•	•	
Clothing Production							•					
Computer Courses (End-User)	•	•		•						•		•
Community House Building	•				•					•		
Cooking & Catering			•								•	
Electrical			•								•	
Garment Making					•		•		•	•	•	
Home Decor					•					•		
ICDL						•		•				
Manufacturing & Engineering (Boilermaking)												•
Panelbeating										•		
Plant Production					•							
Plumbing							•			•		
Vehicle Services					•					•		
Welding							•			•		•

\* See pg. 13 for details of ITC skills programmes available with funding from the Moses Kotane Institute, in partnership with the NIIT

# Diploma Programmes & Skills Training

# NATIONAL CERTIFICATE (VOCATIONAL)

Course	Level	Fundamental	Vocational Subjects	Entry requirements
Civil Engineering & Building Construction	2	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Construction Planning</li> <li>Plant and Equipment</li> <li>Materials</li> <li>Masonry</li> </ul>	<ul style="list-style-type: none"> <li>A year end school report for Grade 10, 11 or 12; or</li> <li>An NQF Level 1 qualification; or</li> <li>An approved bridging programme designed for the specific purpose to access NQF Level 2.</li> </ul>
	3			
	4			
Electrical Infrastructure Construction	2	<ul style="list-style-type: none"> <li>1 Language (must be the language of instruction)</li> <li>Mathematics</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Electrical Principles and Practice</li> <li>Workshop Practice</li> <li>Electronic Control &amp; Digital Electronics</li> <li>Electrical Systems and Construction</li> </ul>	
	3			
	4			
Engineering & Related Design	2	<ul style="list-style-type: none"> <li>1 Language (must be the language of instruction)</li> <li>Mathematics</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Engineering Fundamentals</li> <li>Engineering Technology</li> <li>Engineering Systems</li> <li>Physical Science</li> <li>OR Fitting and Turning</li> <li>OR Automotive Repair &amp; Maintenance</li> <li>OR Welding</li> </ul>	
	3			
	4			

# NATIONAL CERTIFICATE (VOCATIONAL)

Course	Level	Fundamental Subjects	Vocational Subjects	Entry requirements	
<b>Education &amp; Development</b>	<b>2</b>	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Art &amp; Science of Teaching</li> <li>Human &amp; Social Development</li> <li>Learning Psychology</li> <li>Early Childhood Development</li> </ul>	<ul style="list-style-type: none"> <li>A year end school report for Grade 10, 11 or 12; or</li> <li>An NQF Level 1 qualification; or</li> <li>An approved bridging programme designed for the specific purpose to access NQF Level 2.</li> </ul>	
	<b>3</b>		<ul style="list-style-type: none"> <li>Art &amp; Science of Teaching</li> <li>Human &amp; Social Development</li> <li>Learning Psychology</li> <li>Early Childhood Development</li> </ul>		
	<b>4</b>		<ul style="list-style-type: none"> <li>Art &amp; Science of Teaching</li> <li>Human &amp; Social Development</li> <li>Learning Psychology</li> <li>Early Childhood Development</li> </ul>		
<b>Finance, Economics &amp; Accounting</b>	<b>2</b>	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Applied Accounting</li> <li>Financial Management</li> <li>Economic Environment</li> <li>New Venture Creation</li> </ul>		
	<b>3</b>				
	<b>4</b>				
<b>Hospitality</b>	<b>2</b>	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Food Preparation</li> <li>Hospitality Generics</li> <li>Hospitality Services</li> <li>Client Services &amp; Human Relations Services</li> </ul>		
	<b>3</b>				
	<b>4</b>				
<b>Information Technology &amp; Computer Science</b>	<b>2</b>	<ul style="list-style-type: none"> <li>1 Language (must be language of instruction)</li> <li>Mathematics</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Information Systems</li> <li>Systems Development and Computer Programming</li> <li>Computer Hardware &amp; Software</li> <li>Systems Analysis and Design</li> </ul>		
	<b>3</b>				<ul style="list-style-type: none"> <li>Systems Analysis and Design</li> <li>Computer Hardware and Software</li> <li>Principles of Computer Programming</li> <li>Contact Centre Operations</li> </ul>
	<b>4</b>				<ul style="list-style-type: none"> <li>Systems Analysis &amp; Design</li> <li>Data Communication &amp; Networking</li> <li>Computer Programming</li> <li>Contact Centre Operations</li> </ul>
<b>Office Administration</b>	<b>2</b>	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Business Practice</li> <li>Office Practice</li> <li>Office Data Processing</li> <li>Applied Accounting</li> <li>OR New Venture Creation</li> </ul>	<ul style="list-style-type: none"> <li>A year end school report for Grade 10, 11 or 12; or</li> <li>An NQF Level 1 qualification; or</li> <li>An approved bridging programme designed for the specific purpose to access NQF Level 2.</li> </ul>	
	<b>3</b>				
	<b>4</b>				<ul style="list-style-type: none"> <li>Business Practice</li> <li>Office Practice</li> <li>Office Data Processing</li> <li>Applied Accounting</li> <li>OR New Venture Creation</li> <li>OR Personal Assistance L4</li> </ul>

# NATIONAL CERTIFICATE (VOCATIONAL)

Course	Level	Fundamental Subjects	Vocational Subjects	Entry requirements
Primary Agriculture	2	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>A year end school report for Grade 10, 11 or 12; or</li> <li>An NQF Level 1 qualification; or</li> <li>An approved bridging programme designed for the specific purpose to access NQF Level 2.</li> </ul>
	3			
	4		<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	
Process Plant Operations - Pulp & Papermaking	2	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Process Technology</li> <li>Physical Science</li> <li>Engineering Fundamentals</li> <li>Pulp and Papermaking Technology</li> </ul>	
	3		<ul style="list-style-type: none"> <li>Process Technology</li> <li>Physical Science</li> <li>Process Control</li> <li>Pulp and Papermaking Technology</li> </ul>	
	4		<ul style="list-style-type: none"> <li>Process Technology</li> <li>Physical Science</li> <li>Process Control</li> <li>Pulp and Papermaking Technology</li> </ul>	
Tourism	2	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Science of Tourism</li> <li>Client Services and Human Relations</li> <li>Sustainable Tourism in SA</li> <li>Tourism Operations</li> </ul>	
	3		<ul style="list-style-type: none"> <li>Science of Tourism</li> <li>Client Services and Human Relations</li> <li>Sustainable Tourism in SA and Regional Travel</li> <li>Tourism Operations</li> </ul>	
	4		<ul style="list-style-type: none"> <li>Science of Tourism</li> <li>Client Services and Human Relations</li> <li>Sustainable Tourism in SA and International Travel</li> <li>Tourism Operations</li> </ul>	
Transport & Logistics	2	<ul style="list-style-type: none"> <li>1 language (must be the language of instruction)</li> <li>Mathematics OR Mathematical Literacy</li> <li>Life Orientation</li> </ul>	<ul style="list-style-type: none"> <li>Freight Logistics</li> <li>Transport Economics</li> <li>Transport Operations</li> <li>New Venture Creation</li> </ul>	
	3			
	4			

# BUSINESS STUDIES (N4 - N6)

Course	Level	Fundamental Subjects	Entry requirements
<b>Business Management</b>	<b>N4</b>	<ul style="list-style-type: none"> <li>Financial Accounting N4</li> <li>OR Introductory Accounting N4</li> <li>Entrepreneurship and Business Management N4</li> <li>Management Communication N4</li> <li>Computer Practice N4</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Grade 12/NSC</li> </ul> Note: Subject to demand
	<b>N5</b>	<ul style="list-style-type: none"> <li>Entrepreneurship and Business Management N5</li> <li>Sales Management N5</li> <li>Computerised Financial Systems N4</li> <li>OR Computer Practice N5</li> <li>Economics N4</li> </ul>	N4 Business Management
	<b>N6</b>	<ul style="list-style-type: none"> <li>Entrepreneurship and Business Management N6</li> <li>Sales Management N6</li> <li>Personnel Management N4</li> <li>Economics N5</li> </ul>	N5 Business Management
<b>Financial Management</b>	<b>N4</b>	<ul style="list-style-type: none"> <li>Financial Accounting N4</li> <li>Computerised Financial Systems N4</li> <li>Entrepreneurship and Business Management N4</li> <li>Management Communication N4</li> <li>Introductory Computer Practice N4 (Only students who are not computer literate)</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>IGrade 12/NSC</li> </ul> Note: Subject to demand
	<b>N5</b>	<ul style="list-style-type: none"> <li>Financial Accounting N5</li> <li>Computerised Financial Systems N5</li> <li>Economics N4</li> <li>Cost and Management Accounting N5</li> </ul>	N4 Financial Management
	<b>N6</b>	<ul style="list-style-type: none"> <li>Financial Accounting N6</li> <li>Computerised Financial Systems N6</li> <li>Cost and Management Accounting N6</li> <li>Economics N5</li> </ul>	N5 Financial Management
<b>Human Resources Management</b>	<b>N4</b>	<ul style="list-style-type: none"> <li>Personnel Management N4</li> <li>Entrepreneurship and Business Management N4</li> <li>Management Communication N4</li> <li>Computer Practice N4</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Grade 12/NSC</li> </ul> Note: Subject to demand
	<b>N5</b>	<ul style="list-style-type: none"> <li>Personnel Management N5</li> <li>Personnel Training N5</li> <li>Labour Relations N5</li> <li>Computer Practice N5 OR Economics N4</li> </ul>	N4 Human Resources
	<b>N6</b>	<ul style="list-style-type: none"> <li>Personnel Management N6</li> <li>Personnel Training N6</li> <li>Labour Relations N6</li> <li>Computer Practice N6 OR Economics N5</li> <li>OR Entrepreneurship N5</li> </ul>	N5 Human Resources
<b>Management Assistant</b>	<b>N4</b>	<ul style="list-style-type: none"> <li>Information Processing N4</li> <li>OR Introductory Information Processing N4</li> <li>Office Practice N4</li> <li>Communication N4</li> <li>Computer Practice N4</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Grade 12/NSC</li> </ul> Note: Subject to demand
	<b>N5</b>	<ul style="list-style-type: none"> <li>Information Processing N4 or N5</li> <li>Office Practice N4</li> <li>Communication N5</li> <li>Computer Practice N5</li> </ul>	N4 Management Assistant (Choice of Information Processing N4 or N5 dependent on Information Processing choice at N4 level)
	<b>N6</b>	<ul style="list-style-type: none"> <li>Information Processing N5 or N6</li> <li>Office Practice N6</li> <li>Communication N6</li> <li>OR Entrepreneurship &amp; Business Management N4</li> <li>Computer Practice N6</li> </ul>	N5 Management Assistant (Choice of Information Processing N5 or N6 dependent on information Processing choice at N5 level)
<b>Public Management</b>	<b>N4</b>	<ul style="list-style-type: none"> <li>Public Administration N4</li> <li>Entrepreneurship &amp; Business Management N4</li> <li>Management Communication N4</li> <li>Introduction to Accounting N4</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Grade 12/NSC</li> </ul>
	<b>N5</b>	<ul style="list-style-type: none"> <li>Public Administration N5</li> <li>Public Finance N5</li> <li>Municipal Administration N5</li> <li>Computer Practice N4</li> </ul>	N4 Public Management
	<b>N6</b>	<ul style="list-style-type: none"> <li>Public Administration N6</li> <li>Public Law N6</li> <li>Municipal Administration N6</li> <li>Computer Practice N5</li> </ul>	N5 Public Management

Note: All Business Studies 'N' Qualifications have alternative subject options available. Consult your campus for details.

# ENGINEERING STUDIES (N4 - N6)

Course	Level	Fundamental Subjects	Entry requirements
Electrical	N4	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>Engineering Science OR Digital Electronics OR Supervisory Management</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Industry indentured students who have already completed N3</li> </ul> <p>Note: Subject to demand</p>
	N5	<ul style="list-style-type: none"> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>TWO of the following: Mathematics; Digital Electronics; Supervisory Management; Power Machines</li> </ul>	N4 Electrical
	N6	<ul style="list-style-type: none"> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>TWO of the following: Mathematics; Digital Electronics; Control Systems; Supervisory Management; Power Machines</li> </ul>	N5 Electrical
Electro-Mechanical <sup>1</sup>	N4	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Electrotechnics</li> <li>Mechanotechnics</li> <li>Engineering Science OR Mechanical Draughting OR Industrial Electronics</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Industry indentured students who have already completed N3</li> </ul> <p>Note: Subject to demand</p>
	N5	<ul style="list-style-type: none"> <li>Electrotechnics</li> <li>Mechanotechnics</li> <li>TWO of the following: Mathematics; Strength of Materials &amp; Structures; Fluid Mechanics; Industrial Electronics; Supervisory Management; Power Machines.</li> </ul>	N4 Electro-Mechanical
	N6	<ul style="list-style-type: none"> <li>Electrotechnics</li> <li>Mechanotechnics</li> <li>TWO of the following: Mathematics; Strength of Materials &amp; Structures; Control Systems; Industrial Electronics; Supervisory Management; Power Machines.</li> </ul>	N5 Electro-Mechanical
Electronics	N4	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>Digital Electronics</li> </ul>	<ul style="list-style-type: none"> <li>Current N4 students</li> <li>Industry indentured students who have already completed N3</li> </ul> <p>Note: Subject to demand</p>
	N5	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>Digital Electronics</li> </ul>	N4 Electronics
	N6	<ul style="list-style-type: none"> <li>Mathematics OR Control Systems</li> <li>Industrial Electronics</li> <li>Electrotechnics</li> <li>Digital Electronics</li> </ul>	N5 Electronics

1: Consult with Engineering Studies Unit for information on this course.

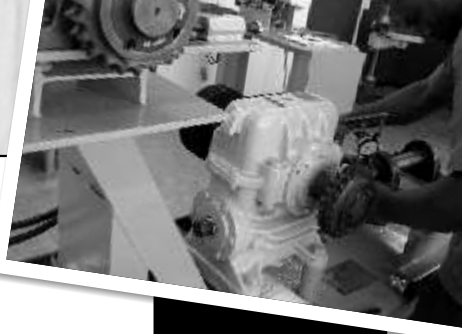
# ENGINEERING STUDIES (N4 - N6)

Course	Level	Fundamental Subjects	Entry requirements
Instrumentation	N4	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Digital Electronics</li> <li>Industrial Instrumentation (Technisa)<sup>2</sup></li> </ul>	Current N4 students only
	N5	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Digital Electronics</li> <li>Industrial Instrumentation (Technisa)<sup>2</sup></li> </ul>	N4 Instrumentation
	N6	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Industrial Electronics</li> <li>Digital Electronics</li> <li>Industrial Instruments (Technisa)<sup>2</sup></li> </ul>	N5 Instrumentation
Mechanical	N4	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Mechanotechnics</li> <li>Engineering Science</li> <li>Mechanical Draughting</li> <li>OR Supervisory Management</li> </ul>	Current N4 students only
	N5	<ul style="list-style-type: none"> <li>Strength of Materials &amp; Structures</li> <li>Mechanotechnics</li> <li>Mathematics</li> <li>OR Engineering Physics</li> <li>OR Power Machines</li> <li>OR Fluid Mechanics</li> <li>OR Supervisory Management</li> <li>OR Strengths of Materials &amp; Structures</li> </ul>	N4 Mechanical
	N6	<ul style="list-style-type: none"> <li>Mathematics</li> <li>Strength of Materials &amp; Structures</li> <li>Mechanotechnics</li> <li>Fluid Mechanics</li> <li>OR Power Machines</li> <li>OR Engineering Physics</li> <li>OR Control Systems</li> <li>OR Mathematics</li> <li>OR Supervisory Management</li> <li>OR Strengths of Materials &amp; Structures</li> </ul>	N5 Mechanical
Production	N4	<ul style="list-style-type: none"> <li>Supervision Management</li> <li>Engineering Science</li> <li>Mathematics</li> <li>Chemistry</li> <li>OR Mechanotechnics</li> <li>OR Electrotechnics</li> </ul>	Current N4 students only
	N5	<ul style="list-style-type: none"> <li>Supervision Management</li> <li>Engineering Physics</li> <li>Mathematics</li> <li>Chemistry</li> <li>OR Mechanotechnics</li> <li>OR Electrotechnics</li> </ul>	N4 Production
	N6	<ul style="list-style-type: none"> <li>Supervision Management</li> <li>Engineering Physics</li> <li>Mathematics</li> <li>Mechanotechnics</li> <li>OR Electrotechnics</li> <li>OR Chemistry Technology</li> </ul>	N5 Production

2: Students may be required to register with Technisa to complete this subject, however exams may be written at an Umfolozi College campus.

# GOVERNMENT CERTIFICATE OF COMPETENCY

CERTIFICATE OF COMPETENCY AS AN ENGINEER	ELECTRICAL ENGINEERING	TABLE A	MECHANICAL ENGINEERING	TABLE B	
<b>ADMISSION REQUIREMENTS</b> <ul style="list-style-type: none"> <li>• A candidate must be at least 23 years of age</li> <li>• Pre-requisite academic successes need for admission to the examination are set out in Table A and B.</li> <li>• The pass requirement for each subject is 50%.</li> </ul>	Engineering Drawing	N3	Engineering Drawing	N3	
	Electrotechnics	N4	Electrotechnics	N4	
<b>QUALIFYING REQUIREMENTS</b> <ul style="list-style-type: none"> <li>• <b>Certificate of competency as Mechanical or Electromechanical Engineer for Mine and Works</b> <ul style="list-style-type: none"> <li>- Plant Engineer (Mining and Factories)</li> <li>- Legal Knowledge (Mine and Works)</li> </ul> </li> <li>• <b>Certificate of competency as Mechanical or Electromechanical Engineer for factories</b> <ul style="list-style-type: none"> <li>- Plant Engineer (Mining and Factories)</li> <li>- Machining and Occupational Safety Act</li> </ul> </li> <li>• Plant Engineering includes Mechanical and Electromechanical questions. The pass requirement is 50%</li> </ul>	Industrial Electronics	N4	Industrial Electronics	N4	
	Engineering Science	N4	Engineering Science	N4	
	Mechanotechnics	N4	Mechanotechnics	N4	
	Supervisory Management	N4	Supervisory management	N4	
	Mathematics	N4	Mathematics	N4	
	Electrotechnics	N5	Electrotechnics	N5	
	Industrial Electronics	N5	Fluid Mechanics	N5	
	Power machines	N5	Power Machines	N5	
	Mechanotechnics	N5	Mechanotechnics	N5	
	Strengths of Materials and Structures	N5	Strengths of Materials and Structures	N5	
	Supervisory management	N5	Supervisory Management	N5	
	Control Systems	N6	Control Systems	N6	
	Electrotechnics	N6	Fluid Mechanics	N6	
	Industrial Electronics	N6	Power Machines	N6	
	Power Machines	N6	Mechanotechnics	N6	
	Mechanotechnics	N6	Strengths of materials and Structures	N6	
	Supervisory management	N6	Supervory Management	N6	
	<b>Conversion Course to Mechanical Engineering</b>			<b>Conversion Course to Engineering</b>	
	Fluid Mechanics	N5 & N6	Electrotechnics	N6	
	Strengths of Materials & Structures	N6	Industrial Electronics	N5 & N6	



Umfolozi College Technical Training Centre's based at the Mandeni and Richtek Campuses offer artisan training programmes for local industry. The Mandeni Technical Training Centre is accredited as a Merseta Trade Test Centre for the trades of:

- Electrician
- Fitter
- Instrument Mechanician

Between them the two Technical Training Centres offer training in the following disciplines: Electrician (Learnership and Artisan); Fitter (Learnership and Artisan); Instrument Mechanician (Learnership and Artisan); and Welder (Learnership).

More accredited skills and artisan courses will be introduced during 2011

For more information contact Mandeni or Richtek Campuses or download the Technical Training Centre prospectus from 'courses' page of the Umfolozi College website at [www.umfolozicollege.co.za](http://www.umfolozicollege.co.za).

Mandeni Campus

Tel: 032 456 3626

Fax: 032 456 5777

E-mail:

[mandeniprojects@webmail.co.za](mailto:mandeniprojects@webmail.co.za)

Richtek Campus

Tel: 035 902 9523

Fax: 035 789 7011

E-mail:

[britzw.umfcao@feta.gov.za](mailto:britzw.umfcao@feta.gov.za)

Artisan Training  
& Trade Tests

Thanks to funding from the Moses Kotane Institute, Umfolozi College, in partnership with the NIIT is offering the following funded programmes aimed at developing critically needed ITC skills in South Africa:

- Software Engineering (Mandeni Campus)
- Networking (Mandeni Campus)
- Database (Mandeni Campus)
- Web Design (Mandeni Campus)
- Business Process Outsourcing (Esikhawini Campus)

For further information and upcoming application dates contact the relevant campus:

Mandeni Campus

Tel: 032 456 3626

Fax: 032 456 5777

E-mail: [rabel.umdman@feta.gov.za](mailto:rabel.umdman@feta.gov.za)

Esikhawini Campus

Tel: 035 796 5568/76

Fax: 035 796 5530

E-mail: [shabalalaz.umfrc@feta.gov.za](mailto:shabalalaz.umfrc@feta.gov.za)



Moses Kotane Institute  
INDUSTRIAL TRAINING

**NIIT**

ITC Skills

# CONTACT DETAILS

## CENTRAL OFFICE

☎ 035 902 9501 ☎ 035 789 2585  
Naboomnek, Arboretum, Richards Bay

## ESHOWE CAMPUS

☎ 035 474 2304/6 ☎ 035 474 2817  
King Dinizulu Road, Eshowe

## ESIKHAWINI CAMPUS

☎ 035 796 5568/76 ☎ 035 796 5530  
Private Bag X5023, Richards Bay, 3900

## MANDENI CAMPUS

☎ 032 456 3626/8400 ☎ 032 456 5777  
End of Anderson Road, Mandeni

## RICHTEK CAMPUS

☎ 035 902 9500 ☎ 035 789 7011  
Corner Via Richardia & Naboomnek  
Arboretum, Richards Bay

## CHIEF ALBERT LUTHULI CAMPUS

☎ 032 559 9087 ☎ 032 559 9468  
Cnr R102 and D270, Groutville, 4450

## SKILLS CENTRES

Isithebe ☎ 032 459 2954  
Jininindomnyama ☎ 035 474 4022  
Nseleni ☎ 035 795 1482  
Sikhanyisele ☎ 082 403 0858  
Sundumbili ☎ 032 454 1407  
Thubelihle ☎ 035 796 0803  
ZCBF ☎ 035 797 4313/9

## STUDENT SUPPORT SERVICES & ZULULAND CAREER CENTRE

☎ 035 797 4319 ☎ 035 797 3010  
info.umfcao@feta.gov.za

✉ info.umfcao@feta.gov.za  
www.umfolozicollege.co.za  
Also on Facebook!

Apply online at [www.cao.ac.za](http://www.cao.ac.za)

