

11 September 2018

## Phase-out of the National Diploma Industrial Engineering and Phase-in of the Diploma in Industrial Engineering

The Department of Industrial Engineering has replaced the existing National Diploma: Industrial Engineering course with a Diploma in Industrial Engineering course in January 2018.

The purpose of introducing this new qualification is to align with the new Higher Education qualification sub-Framework (HEQSF) as Gazetted by the South African Department of Education on 2 August 2013. This is a requirement placed on all Higher Education institutions.

Pipeline students will be allowed a certain period to complete the National Diploma Industrial Engineering after which they will be articulated into the Diploma. Students who are returning to complete their qualification will be admitted on the current National Diploma (ND) qualification if it is still offered at the time of their return. If the qualification has been phased out, they will be articulated into the Diploma (Dip) qualification.

The Diploma in Industrial Engineering has commenced in January 2018.

### National Diploma Industrial Engineering phase-out plan

Year	Remarks
2017	<p>Last intake for first year students</p> <p>National Diploma students who have passed all S1 and S2 subjects in 2017 will continue with the normal ND S3 and S4 subjects in 2018 respectively.</p> <p>Students who have <b>not</b> yet completed S1 subjects after two attempts is effectively still first year students and will be moved to the HEQSF aligned Diploma that starts in 2018 if they meet satisfactory academic performance.</p> <p>Students who fail their S2 subjects in 2017 will be given another opportunity in semester 1 of 2018.</p>

2018	<p>Dip – 1<sup>st</sup> year  Current ND – 2<sup>nd</sup> year  Current ND – 3<sup>rd</sup> year (in-service training)</p> <p>ND students who pass all S3 and S4 subjects will continue with the normal ND year three in 2019.</p> <p>Students who fail their S2 subjects in S1 2018 will be given another opportunity in semester 2 of 2018.</p> <p>Students who fail their S3 and S4 subjects in S2 2018 will have another opportunity in S1 2019.</p> <p>Students who have not completed their S2 by end of 2018 are effectively still first year students and will be moved to the HEQSF aligned Diploma if they satisfy all articulation requirements and if they meet satisfactory academic performance.</p>
2019	<p>Dip – 1<sup>st</sup> year  Dip – 2<sup>nd</sup> year  Current ND – 3<sup>rd</sup> year (in-service)</p> <p>All students who qualify for in-service training will be assisted with placement in industry.</p> <p>Students who fail their S3 and S4 subjects in S1 2019 will have another opportunity in S2 2019.</p> <p>Student who have not completed their S3 and S4 subjects by the end of 2019, and would have had multiple opportunities to complete, are effectively still second year students. These students will be moved to the HEQSF aligned Diploma if they satisfy all articulation requirements and if they meet satisfactory academic performance. These students will need to register for the equivalent subject in the Diploma and apply for internal recognition of the subject.</p>
2020	<p><b>Mainstream students</b>  Dip – 1<sup>st</sup> year  Dip – 2<sup>nd</sup> year  Dip – 3<sup>rd</sup> year</p> <p>In-service training will continue as required. Any unforeseen implications will be appropriately dealt with.</p>

The extended period to phase out these subjects will be subject to:

- 1) Sufficient students registering for the subject during the semester to make the offering viable. Where sufficient students do not register the students will have to take the subject the next time it is offered which includes the following semester as part of the normal offering.
- 2) The department identifying and finding sufficient and suitably qualified staff to lecture these subjects during these periods as this is not part of the normal offering.

3) In the case of repeat students who have subjects outstanding with no comparative in the Diploma this subject will be offered on a part-time option.

**Equivalent subjects: ND Industrial Engineering and Diploma in Industrial Engineering**

Diploma in Industrial Engineering	ND in Industrial Engineering
Engineering mathematics 1 Engineering physics Industrial engineering design Engineering management Engineering manufacturing technology Engineering Work study Industrial Production Engineering Engineering Mathematics 2 Qualitative Techniques Engineering Economics Computer Integrated Manufacturing Facility Layout and Materials Handling Systems Engineering Operations Research Industrial Engineering Project 3	Mathematics 1 Mechanics 1 Electrotechnology 1 Mechanical engineering drawings 1 Computer aided draughting 1 Computer skills 1 Communication skills 1 Manufacturing relations 2 Industrial leadership 3 Mechanical manufacturing engineering 1 Mechanical manufacturing engineering 2 Engineering Work study 1 Engineering Work study 2 Production Engineering 1 Production Engineering 2 Mathematics 2 Mathematics 3 Qualitative Techniques 1 Quality Assurance 2 Costing 2 Industrial Accounting 3 Automation 3 Facility Layout and Materials Handling 2 Work study 3 Operations Research 3 Industrial Engineering Practice 1 Industrial Engineering Practice 2

**Students are requested to sign the attached acknowledgement sheet that they were informed of the Phase-out of the ND in Industrial Engineering and Phase-in of the Diploma in Industrial Engineering. Acknowledgement forms to be submitted to the Departmental secretary by no later than 28 September 2018.**

Yours sincerely



Prof S Bosman  
Head of Department (acting)

11 September 2018

**Acknowledgement of information regarding the Phase-out of the ND Industrial Engineering and Phase-in of the Diploma in Industrial Engineering**

I hereby acknowledge receipt of information regarding the Phase-out of the ND Industrial Engineering and Phase-in of the Diploma in Industrial Engineering.

I understand that if I have not progressed according to the letter, I will be transferred to the Diploma in Industrial Engineering qualification.

I am aware that there will be financial implications if I am transferred to the Diploma based on my academic performance.

I accept to comply with any appropriate actions to overcome any unforeseen WIL implications that may occur due to the phase-out of the National Diploma.

\_\_\_\_\_  
Name:

\_\_\_\_\_  
Student Number:

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Signed at: