

As South Africa prepares for the Fourth Industrial Revolution (4IR), the Faculty of Engineering, Built Environment and Information Technology (EBIT) focuses its research, teaching and learning activities on bringing competitive knowledge to industry, education and society. We strive for research excellence and actively pursue international collaboration. EBIT has educated many generations of leaders and produced graduates who are well represented as some of the best ambassadors in the industry.

EBIT contributes

28%

of graduate
engineers in the
country

ENGINEERING &
TECHNOLOGY
is in the

Top 450

universities worldwide
in the QS Rankings

EBIT ESI citations

Top 1%

worldwide

#1 Top Engineering
school in South Africa.

EBIT HAS 3 SCHOOLS AND A GRADUATE SCHOOL OF TECHNOLOGY MANAGEMENT



SCHOOL OF ENGINEERING

1

Chemical Engineering

2

Civil Engineering

3

Electrical, Electronic and
Computer Engineering

4

Industrial and Systems Engineering

5

Materials Sciences &
Metallurgical Engineering

6

Mechanical and
Aeronautical Engineering

7

Mining Engineering



SCHOOL FOR THE BUILT ENVIRONMENT

1

Architecture

2

Construction Economics

3

Town and Regional Planning



SCHOOL OF IT

1

Computer Science

2

Informatics

3

Information Science



GRADUATE SCHOOL OF TECHNOLOGY MANAGEMENT



2019 EBIT RANKINGS

ACCORDING TO THE
LATEST QS
SUBJECT RANKINGS

Mechanical, Aeronautical
& Materials Engineering

251 – 300

Electrical and Electronic
Engineering

301 – 350

Computer Science and
Information Systems

501 – 550

4IR FOREFRONT

The Fourth Industrial Revolution (4IR) is a global megatrend that is shaping debate around emerging technologies in industry and academia, and among policy-makers. Information and communication technology (ICT) is a key component of the 4IR, and forms the foundation of many of the innovations emanating from the Faculty of Engineering, Built Environment and Information Technology (EBIT) at the University of Pretoria. EBIT's research strategy focuses on five research focus areas that can each exploit existing pockets of excellence to embrace the 4IR. These focus areas cover the themes of: Smart Cities and Transportation; Big Data Science, ICT and Technology Innovation Management; Water and Environmental Engineering; Energy; Minerals and Materials Beneficiation.



COMMUNITY INVOLVEMENT

Students involved in community projects from 2005 to 2019

Number of students

21 458

Number of projects

6 735

Number of hours

858 320

ACADEMIC OFFERING



Externally funded Research Chairs

19



Centres and Institutes

13



NRF Rated Researchers in the Faculty

82

STAFF PROFILE

International staff
– 30 out of 233

12%

Total staff with PhDs

67%

STUDENT PROFILE

International students

873

Postdocs

21



GRADUATION

Numbers for 2019

2292

Under Grad **1155**,

Honours **684**,

Masters **398**, PhD **55**



STUDY PROGRAMMES AND STUDENT NUMBERS

ACADEMIC PROGRAMMES

Undergraduate

31

Honours

46

Masters

62

Doctorates

38

TOTAL 177

ENROLMENT

Undergraduate

8 176

Honours

1 376

Masters

1 409

Doctorates

413

TOTAL 11 374



31 126 Alumni in 63 Countries

STUDENT SUPPORT INITIATIVES



EBIT WEEK

EBIT Week is a four-day holiday programme presented biannually for learners in Grade 10, 11 and 12. Prospective students are offered this hands-on opportunity to obtain information regarding all the disciplines offered in the EBIT Faculty.

www.up.ac.za/ebit-week



ENGAGE PROGRAMME

The School of Engineering offers a five-year, Engineering Augmented Degree Programme (ENGAGE) in all engineering disciplines. It provides a carefully structured curriculum that helps students adjust to university life and cope with the academic demands of engineering studies.

www.up.ac.za/engage-program



TuksNovation

TuksNovation is a technology business incubator that provides specialised product and business development support to startups. TuksNovation creates an ecosystem that fosters innovation by connecting science and technology innovators with corporates, academics and government.

www.tuksnovation.co.za