



# Faculty of Engineering & the Built Environment NSC (National Senior Certificate) Entrance Requirements

## 2027

These are guidelines for applicants who are writing or have written the South African National Senior Certificate (NSC), including IEB and SACAI writers. Admission is based on a faculty point score (FPS) and/or a weighted point score (WPS).

### Calculating the EBE Faculty Points Score (FPS)

The EBE FPS is a score out of 600, and is calculated by adding the percentages for NSC English and NSC Mathematics, plus four other subjects as specified below:

- Engineering Programmes, Construction Studies and Geomatics Programmes: Score English, Mathematics and Physical Science and the three next best subjects excluding Life Orientation.
- Property Studies Programme: Score English and Mathematics and the four next best subjects excluding Life Orientation.
- Architectural Studies Programme: Score English and Mathematics and the four next best subjects excluding Life Orientation. Selection into the Bachelor of Architectural Studies is competitive and based on the EBE FPS or WPS as well as the Architecture portfolio score. The Portfolio Score will be the lead indicator.

### Calculating the EBE Weighted Point Score (WPS)

The WPS is calculated by adjusting the EBE FPS by a disadvantage factor of between 0% and 10%.

For example, if the disadvantage factor is 7%, the  $WPS = FPS + (7\% \times FPS)$ . If there is zero disadvantage factor, then the FPS and WPS are the same. The disadvantage factor is based on data the applicant provides about their school and family backgrounds and is only applicable to South African citizens and permanent residents.

### National Benchmark Tests (NBTs)

All undergraduate applicants who are normally resident or at school in South Africa (including non-South African citizens) must write the NBTs in Academic Literacy, Quantitative Literacy and Mathematics. The results of the NBTs are not taken into account for admission for the Faculty of Engineering & the Built Environment but must be written. For more details on the NBTs, please see [www.nbt.ac.za](http://www.nbt.ac.za) for details.

### Offer levels

Please see the next page for the FPS/WPS and subject levels required for possible, likely, and guaranteed admission in each programme.

- In Band A admission is guaranteed if the FPS and subject levels are achieved.
- In Band B admission is likely if the WPS and subject levels are achieved.
- In Band C admission is possible if the FPS and subject levels are achieved, and the applicant is in the Redress 1 or 2 categories (South African Black or Coloured).

<b>2027 OFFER LEVELS FOR AN ACADEMIC PLACE</b>			
	<b>BAND A Admission Guaranteed</b>	<b>BAND B Admission Likely</b>	<b>BAND C Admission Possible</b>
	<i>All applicants</i>	<i>All applicants</i>	<i>Targeted redress race groups 1 and 2 only</i>
<b>Chemical Engineering</b>	FPS 500 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*	WPS 480 Mathematics $\geq$ 80% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*	FPS 420 Mathematics $\geq$ 80% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*
<b>Civil Engineering</b>	FPS 500 Mathematics $\geq$ 80% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*	WPS 480 Mathematics $\geq$ 80% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*	FPS 420 Mathematics $\geq$ 80% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*
<b>Mechanical Engineering and Mechanical &amp; Mechatronic Engineering</b>	FPS 500 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*	WPS 480 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*	FPS 420 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*
<b>Electrical Engineering, Electrical &amp; Computer Engineering and Mechatronics</b>	FPS 500 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*	WPS 480 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*	FPS 420 Mathematics $\geq$ 80% Physical Sciences $\geq$ 75%  NBTs in Mathematics, AL & QL to be written*
<b>Architectural Studies</b>	FPS 450 English 50% Mathematics 50% 75% Architecture Portfolio Score  NBTs in Mathematics, AL & QL to be written*	WPS 408 English 50% Mathematics 50% 68% Architecture Portfolio Score  NBTs in Mathematics, AL & QL to be written*	FPS 348 English 50% Mathematics 50% 50% Architecture Portfolio Score  NBTs in Mathematics, AL & QL to be written*
<b>Construction Studies</b>	FPS 450 Mathematics $\geq$ 65% Physical Sciences $\geq$ 60%  NBTs in Mathematics, AL & QL to be written*	WPS 420 Mathematics $\geq$ 65% Physical Sciences $\geq$ 55%  NBTs in Mathematics, AL & QL to be written*	FPS 390 Mathematics $\geq$ 65% Physical Sciences $\geq$ 55%  NBTs in Mathematics, AL & QL to be written*
<b>Property Studies</b>	FPS 450 Mathematics $\geq$ 65%  NBTs in Mathematics, AL & QL to be written*	WPS 420 Mathematics $\geq$ 65%  NBTs in Mathematics, AL & QL to be written*	FPS 390 Mathematics $\geq$ 65%  NBTs in Mathematics, AL & QL to be written*
<b>Geomatics</b>	FPS 450 Mathematics $\geq$ 75% Physical Sciences $\geq$ 70%  NBTs in Mathematics, AL & QL to be written*	WPS 420 Mathematics $\geq$ 65% Physical Sciences $\geq$ 60%  NBTs in Mathematics, AL & QL to be written*	FPS 390 Mathematics $\geq$ 65% Physical Sciences $\geq$ 60%  NBTs in Mathematics, AL & QL to be written*

\*The results of the NBTs are not taken into account for admission for the Faculty of Engineering & the Built Environment but **must** be written.

**Note:** Maths Literacy or Technical Maths cannot be substituted for Maths, and Technical Science cannot be substituted for Physical Sciences.