

**Wonder jy of ingenieurswese die rigting vir jou is?**

**Ons kan jou help!**

Word vir 'n ruk 'n NWU student deur die Fakulteit Ingenieurswese se jaarlikse vakansieskool in April, Julie of Oktober by te woon. Hierdie skole, wat tydens die vakansies plaasvind, bied aan jou die geleentheid om alles uit te vind oor ingenieurswese. Pretprojekte, besoeke aan die industrie en 'n kampusverkenning sal jou help om meer te wete te kom oor ingenieurswese en die NWU studentelewe. Vir meer inligting oor die vakansieskole, besoek <http://engineering.nwu.ac.za/engineering/engineering-week>

**Are you considering studying engineering?**

**We can help you!**

Be a NWU student for a while at the Faculty of Engineering holiday school during April, July or October. This school, held during the holidays, will offer you the opportunity to learn more about engineering. Fun projects, visits to the industry and campus tours will help you to learn more about engineering and the NWU student life. For more information regarding the holiday schools, <http://engineering.nwu.ac.za/engineering/engineering-week>

**So lyk ons voorlopige program / This is our preliminary programme:**

	<b>Dag 1 / Day 1</b>	<b>Dag 2 / Day 2</b>	<b>Dag 3 / Day 3</b>	<b>Dag 4 / Day4</b>
<b>Oggend / Morning</b>	12:00 - Ontvangs / Reception	Projekte / Projects	Nywerheidsbesoeke / Industry visits	Kampusverkenning / Campus exploration
<b>Middag / Afternoon</b>	14:00 – Projekte (elke kind kry die geleentheid om een projek in elk van die rigtings te doen / Projects (every learner has to do one project in each of our study fields)	Projekte / Projects	Nywerheidsbesoeke / Industry visits	Ingenieurstoets (indien die leerder dit gaan skryf) / Engineering test (if the student will be writing the test)
<b>Aand / Evening</b>	Aand gasspreker / Evening guest speaker (Chemi)	Aand gasspreker / Evening guest speaker (Mech)	Aand gasspreker / Evening guest speaker (Elec)	



**NWU**®

NORTH-WEST UNIVERSITY  
NOORDWES-UNIVERSITEIT  
YUNIBESITHI YA BOKONE-BOPHIRIMA

## INGENIEURSKOOL

Baie dankie dat jy dit oorweeg om ons Ingenieurskool by te woon. Jy het 'n goeie keuse gemaak en dit beloof om 'n positiewe leerervaring te wees. Ons fokus daarop om die Ingenieurskool pret te maak.

Ontvang hiermee 'n inskrywings- en vrywaringsvorm. Dit moet ons asseblief so spoedig moontlik bereik. Nadat ons jou vorm ontvang het, sal jy kennis ontvang rondom betalingsbesonderhede. Stuur dan asseblief jou bewys van betaling ook aan ons deur om jou plek finaal te bespreek. Daar is 'n beperkte aantal plekke beskikbaar vir elke Ingenieurskool en die eerste inskrywings word eerste aanvaar.

### Aankoms en Registrasie:

Sal 'n week voor die vakansieskool begin bevestig word. Tentatief om 12:00 op die dag van aanvangs.

### Benodigdhede:

- Slot en sleutel vir verblyf
- Gemaklike Klere
- Toe skoene vir aanlegbesoek
- Langbroek vir aanlegbesoek
- Haarrekies vir dames om hul hare vas te bind tydens die aanlegbesoek
- Sakgeld vir versnaperinge

### Kostes:

- \* R 2 200 (etes en verblyf en ekstra nag)
- \* R 2 080 (etes en verblyf)

**Verblyf:** Julle gaan tuis in die Dennepark Studentekommune. Dit is fasiliteite van die Universiteit met dubbelkamers, ontwikkel vir kortkursusse op kampus. Dit is geleë te Molenstraat 96.

**Addisionele Verblyf:** Verblyf onder toesig is vanaf 'n dag voor aanvangs van die skool beskikbaar by Dennepark teen R150 per persoon ekstra. Laat weet ons asseblief vooraf sou die leerder vroeër aanmeld.

**Ingenieurstoetse (Slegs vir Matrikulante wat die Ingenieurskool bywoon):** Hierdie is nie 'n vaardigheids- of loopbaanbeplanningstoets nie, maar eerder 'n ingenieurspesifieke hulpmiddel wat gebruik word om leerders se sterkpunte en areas waarop verbeter kan word uit te wys. Matriekleerlinge wat die ingenieurskool bywoon, en oorweeg om vir ingenieurswese in te skryf word ten sterkste aanbeveel om die toets tydens die Ingenieurskool af te lê, omdat almal wat aansoek doen vir ingenieurswese die toets moet skryf. Die twee toetsdatums beskikbaar tydens die ingenieurskool: 3 April, 2 Julie 2018. Bevestig asseblief op die aansoekvorm, en bespreek persoonlik u kind se plek by Sonette Becker. Vir enige verdere navrae i.v.m. die **Ingenieurstoetse** kontak asb. vir **Sonette Becker** by **018 299 1318** of e-pos by **sonette.becker@nwu.ac.za**.

**Leerders wat per bus arriveer:** Stel asseblief vir Angela Danster direk in kennis sou u verlang dat u kind by 'n busstasie opgelaai word.

**Vertrek:** Vrydag om 12:00

Vir die leerders wat toets skryf Vrydag: 16:00

**Alkoholgebruik:** Alkoholgebruik by die ingenieurskool word ten alle koste hok geslaan en verbied. Sou leerlinge met alkoholiese en of ander verbode middels betrap word, sal hul summier geskors word van die Ingenieurskool en op hul eie onkoste huis toe gestuur word. Hierdie leerders sal dan ook nie verder kan aansoek doen om toelating tot Ingenieurswese nie.

Vir enige verdere navrae kan u ons gerus kontak.

Angie Danster (018) 299 1985 – Administratiewe Bestuurder / Administrative Manager

## ENGINEERING SCHOOL

We appreciate it that you are considering attending our Engineering School. You have made an excellent choice, and we are sure that the Engineering School will be a fun-filled learning experience.

Attached please find the application and indemnity forms. Both forms must reach us as soon as possible. After we have received your application, you will receive notice of payment procedures. Please then forward us your proof of payment to finally secure your place. A limited number of places are available, and the applications will be filled on a first come first serve basis.

### Arrival and Registration

Will be confirmed a week before the holiday school. Tentatively at 12:00 on the day of opening.

### Requirements:

- Lock and key for accommodation
- Comfortable clothing
- Closed shoes for industry visit
- Long trousers for industry visit
- Hairbands for girls with long hair for industry visit
- Pocket money for refreshments

### Costs:

- \* R 2 200 (meals and accommodation and extra night's stay)
- \* R 2 080 (meals and accommodation)

**Accommodation:** You will stay at the Dennepark Student Commune. These university facilities have double rooms and are used for accommodation for short courses on campus. The facilities are situated in Molen street 96.

**Additional accommodation:** Supervised accommodation at Dennepark at an additional cost of R150 will be available a day prior to commencement of the school. Please let us know in advance, should you require extra accommodation.

**Engineering Tests (Only for Matriculates who attend the Engineering School):** This is not an aptitude or career planning test, but rather an engineering specific measuring instrument to point out learner's specific areas of strength and to indicate areas for improvement. We highly advise that Grade 12 learners that plan to enrol for engineering studies conduct this test at our Holiday School, for all applicants for engineering must conduct this test. The two test dates available: 3 April, 2 July 2018. Please confirm booking with Sonette Becker directly. For any further information regarding the **Engineering Test**, please contact **Sonette Becker** at **018 299 1318** or e-mail her at **sonette.becker@nwu.ac.za**

**Arrivals per Bus:** Please contact Angela Danster directly should you require us to collect a learner at a specific bus stop.

**Departure:** Friday at 12:00

The learners that will write the test on Friday: 16:00

**Alcohol use:** Any use of alcohol during this school is strictly prohibited. Should learners be caught under the influence of or in possession of alcohol or any other illegal substance, the learner will be dismissed from the school and sent home at his/her own cost. This learner will then also be unable to apply for Engineering Studies at the North-West University.

For any further enquiries, feel free to contact us.

**Merk asseblief die korrekte opsie: / Please mark the appropriate choice:**

<p><b>R 2 200</b></p> <p>Dit sluit etes en verblyf in asook 'n ekstra nag in Dennepark Gastehuis (*geen etes vir ekstra nag)</p> <p>This includes meals,accommodation and an extra night's stay at Dennepark Guest house (*no meals for extra night)</p>		<p><b>R 2 080</b></p> <p>Dit sluit etes en verblyf in Dennepark Gastehuis in</p> <p>This includes meals and accommodation at Dennepark Guest house</p>	
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**POS die ingevulde vorm terug aan:** Mev. Angie Danster, Fakulteit Ingenieurswese (Interne Bussie 342), Noordwes-Universiteit (Potchefstroomkampus), Privaat sak X6001, Potchefstroom, 2520 **OF FAKS aansoeke en vrywaringsvorme na:**

**086 521 2564 NAVRAE** Tel. (018) 299-1985 of e-pos [Angie.Danster@nwu.ac.za](mailto:Angie.Danster@nwu.ac.za)

**Post this completed form to:** Mrs. Angie Danster, Faculty of Engineering (Internal Box 342), North-West University (Potchefstroom Campus), Private Bag X6001, Potchefstroom, 2520 **OR FAX applications and indemnity forms to: 086 521 2564 ENQUIRIES:** Tel. (018) 299-1985 or e-mail [Angie.Danster@nwu.ac.za](mailto:Angie.Danster@nwu.ac.za)

**KANSELASIES:** 'n R 300 kansellasiefooi sal gehêf word indien jy 4 weke of minder voor die aanvang van die Ingenieurskool kanselleer. Die inskrywingsgeld is egter ten volle oordraagbaar na 'n ander aansoeker van dieselfde Ingenieurskool.

**CANCELLATIONS:** A cancellation fee of R 300 is payable for cancellation less than 4 weeks before the start of the event. The money already paid is however fully transferable to another applicant for the same Engineering School.



1. Ek, die ondergetekende \_\_\_\_\_  
\_\_\_\_\_ (ouer/voog se volle name en van), ID-nommer  
\_\_\_\_\_ met my adres te  
\_\_\_\_\_ bevestig hiermee dat my  
kind \_\_\_\_\_ die Ingenieurskool  
(hierna genoem "die Program") georganiseer deur die Fakulteit  
Ingenieurswese van die Noordwes-Universiteit (hierna genoem "die  
Universiteit") sal bywoon in Potchefstroom vanaf  
(datum) \_\_\_\_\_.
2. Ek bevestig verder dat:
  - 2.1 My/my kind se deelname aan die Program heeltemal vrywillig is en  
dat ek/my kind op geen wyse verplig of gedwing is om deel te neem  
nie;
  - 2.2 Ek/my kind bewus is van die aard en omvang van die Program, en  
die gepaardgaande aktiwiteite daarvan, en dat ek/my kind vooraf die  
nodige navrae gedoen het;
  - 2.3 Ek/my kind bewus is van die risiko's en gevare betrokke daarby om  
in die geval van 'n motorvoertuigongeluk 'n passasier of bestuurder  
van 'n motorvoertuig te wees, en in die besonder die risiko's daaraan  
verbonde wat persoonlike beserings, persoonlike en/of monetêre  
skade en fisiese en/of psigologiese trauma insluit.
3. Ek/my kind vrywaar hiermee die Universiteit en stel die Universiteit  
skadeloos teen enige eis hoegenaamd wat gedurende en/of as gevolg van  
my kind se deelname aan die Program kan ontstaan en wat ingestel kan  
word hetsy deur my of my natuurlike of wettige voogde, eksekuteur(s),  
administrateur(s), regsverkrygendes of opvolgers in titel en/of enige ander  
derde partye bo en behalwe diegene waarna daar in hierdie akte van  
vrywaring verwys word, vir enige verlies of skade wat deur enige  
handeling(e) en/of versuim deur die Universiteit veroorsaak kan word, of  
deur enige van die werknemers, studente, vriende, gevolmagtigdes,  
genomineerdes, kontrakteurs, subkontrakteurs en/of persone wat  
namens of in opdrag van die Universiteit optree.
  - 3.1 Hierdie vrywaring is geldig en van krag vir die volle duur van die  
Program, met inbegrip van enige handeling(e) en/of wanprestasie  
en/of enige gedrag wat gedurende daardie tydperk kan voorkom,  
sowel as gedurende die tydperk van vervoer tussen Potchefstroom en  
die industrie wat besoek word, met inbegrip van, maar nie beperk nie,  
tot enige ander vervoer na en vanaf die terrein van die Program, en  
enige handeling(e) en/of wanprestasie en/of enige gedrag wat  
gedurende sodanige vervoer kan voorkom of wat op sodanige vervoer  
betrekking kan hê.
4. Ek vrywaar die Universiteit en/of die werknemers teen enige eis(e) wat  
gedurende en/of uit hierdie Program kan ontstaan as gevolg van  
my/my kind se handelinge en/of enige van my direkteure, lede,  
werknemers, vriende, gevolmagtigdes, genomineerdes, aangestelde  
ooreenkomssluiters en sub-ooreenkomssluiters, trustees,  
aandeelhouders en/of enige ander persoon wat namens of volgens my  
opdragte optree.

1. I, the undersigned \_\_\_\_\_  
\_\_\_\_\_ (full names and surname of  
parent/guardian), ID number \_\_\_\_\_ with  
my address at \_\_\_\_\_  
\_\_\_\_\_ hereby  
confirm that my child \_\_\_\_\_ will attend  
the Engineering School (hereafter referred to as "the  
Programme"), as organised by the Faculty of Engineering of the  
North-West University (hereafter referred to as "the University", in  
Potchefstroom from (date)  
\_\_\_\_\_.
2. I further confirm that:
  - 2.1 My/my child's participation in the Programme is voluntarily and that  
neither myself nor my child was in any way forced or obligated to  
participate;
  - 2.2 I/my child is aware of the nature and extent of the Programme, and  
the resulting activities thereof, and that me/my child made the  
necessary enquiries ahead of time;
  - 2.3 I/my child is aware of the risks and dangers associated with being a  
passenger or driver of a motor vehicle in case of a vehicle accident,  
and particularly the risks thereof, including personal injuries,  
personal and/or monetary damage and physical and/or  
psychological trauma.
3. I/my child hereby indemnify the University against any claim  
whatsoever, which may originate during and/or as a result of my  
child's participation in the Programme and which may be made by  
either myself, the parent, or my child's natural or legal guardian,  
executor(s), administrator(s), heirs or successors in title and/or any  
other third party other than those referred to in this  
indemnification, for any loss or damage that may or could be caused  
by any act(s) and/or oversight by the University, or by any of the  
employees, students, friends, proxies, nominees, contractors,  
subcontractors and/or persons acting on behalf of or on instruction  
of the University.
  - 3.1 This indemnification remains valid and in force for the full  
duration of the Programme, including any action(s) and/or non-  
performance and/or any behaviour that may occur in this period, as  
well as during the period of transport between Potchefstroom and  
the industries visited, inclusive of, but not limited to any other  
transport to and from the terrain of the Programme, and any  
action(s) and/or any non-performance and/or any behaviour that  
may occur during such transport or pertaining to such transport.
4. I indemnify the University and/or the employees against any claims  
originating during and/or from this Programme, as a result of  
my/my child's actions and/or any of my directors, members,  
employees, friends, proxies, nominees, those appointed to  
conclude agreements and their sub-agents, trustees, shareholders  
and/or any other person who act on my behalf or on my  
instructions.
5. The University and/or its employees will under no circumstances be  
held accountable for any direct or indirect damage, including but  
not limited to loss of productivity, loss of income, damage or costs  
of any nature, which I, my dependant(s), executors, administrators

5. Die Universiteit en/of sy werknemers is onder geen omstandighede aanspreeklik vir enige regstreekse en/of onregstreekse skade nie, wat enige verlies aan produktiwiteit, verlies aan inkomste, skade of onkoste van enige aard ook al kan insluit, maar nie daartoe beperk is nie, wat ek, my afhanklike(s), eksekuteurs, administrateurs en/of begunstigdes of enige persoon wat namens my optree as gevolg van enige handeling en/of versuim en/of wanvoorstelling deur die Universiteit en/of die werknemers of amptenare daarvan kan ly.
6. Ek bevestig dat die gebruik van die vervoer in die bogenoemde voertuig vrywillig is en dat ek al die risiko's waarteen ek die bestuurders, sowel as die Universiteit vrywaar, onvoorwaardelik en sonder enige voorbehoude aanvaar.
7. Hierdie voorbehoud is bindend op my/my afhanklikes, eksekuteurs, begunstigdes en/of enige persoon wat namens of in opdrag van my optree.
8. Ek verleen toestemming dat mediese behandeling indien nodig aan my kind verleen mag word en aanvaar aanspreeklikheid vir verbandhoudende kostes, wat op versoek betaalbaar is.

My kind ly aan die volgende siektes/allergieë wat aan 'n dokter bekend gemaak moet word:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Naam van mediese fonds:** \_\_\_\_\_

**Lidmaatskapnommer:** \_\_\_\_\_

**Hooflid:**

\_\_\_\_\_

Geteken te \_\_\_\_\_ op hierdie \_\_\_\_\_ dag van \_\_\_\_\_.

\_\_\_\_\_

**Leerder/Deelnemer (naam in blokletters)**

**Handtekening van Leerder/Deelnemer**

\_\_\_\_\_

**Ouer/Wettige voog (naam in blokletters)**

**Handtekening van Ouer/Wettige voog**

**Getuies:**

1. \_\_\_\_\_

2. \_\_\_\_\_

and/or beneficiaries or any person acting on my behalf, may suffer as a result of any action(s) and/or neglect and/or misrepresentation by the University and/or its employees or officials.

6. I confirm that use of transport is voluntarily and that I accept unconditionally and without reservation, all risks against which I indemnify the drivers, as well as the University.
7. This reservation is binding on me/my dependants, executors, beneficiaries and/or any person acting on my behalf or upon my instructions
8. I grant my permission for any medical treatment, if necessary, which my child may need and accept responsibility for resulting and associated costs, payable on request.

My child is prone to the following allergies, or suffers from the following medical conditions, which must be made known to a doctor:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Name of medical aid:** \_\_\_\_\_

**Membership number:** \_\_\_\_\_

**Principal member:** \_\_\_\_\_

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_

**Learner/Participant (name in block letters)**                      **Signature of Learner/Participant (letters)**

\_\_\_\_\_

**Parent/Legal Guardian (name in block letters)**                      **Signature of Parent/Legal Guardian (letters)**

**Witnesses:**

1. \_\_\_\_\_

2. \_\_\_\_\_