

Besluit

Besluit strekkende tot een positieve beoordeling van een aanvraag toets nieuwe opleiding van de opleiding wo-bachelor Technology and Liberal Arts & Sciences van de Universiteit Twente

Gegevens

datum	Instelling	:	Universiteit Twente
18 juli 2012	Opleiding	:	wo-bachelor Technology and Liberal Arts & Sciences
onderwerp	Besluit	:	Variant
Toets nieuwe opleiding	Locatie	:	volijd
wo-bachelor	Studieomvang (EC)	:	Enschede
Technology and Liberal Arts & Sciences van de Universiteit Twente	Datum macrodoelmatigheidsbesluit	:	180
(000227)	Datum aanvraag	:	30 september 2011
ons kenmerk	Datum locatiebezoek(en)	:	30 januari 2012
NVAO/20122387/LL	Datum paneladvies	:	15 juni 2012
bijlage	Instellingstoets kwaliteitszorg	:	10 juli 2012
		:	aangemeld en geaccepteerd voor het invoeringsregime (artikel 18.32c van de WHW)

Beoordelingskader

Beoordelingskader voor de beperkte toets nieuwe opleiding van de NVAO (Stcrt. 2010, nr 21523).

Bevindingen

De NVAO stelt vast dat in het paneladvies deugdelijk en kenbaar is gemotiveerd op welke gronden het panel de kwaliteit van de opleiding voldoende heeft bevonden.

Inlichtingen

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The Accreditation Organisation of the Netherlands and Flanders (NVAO) has received a request for an initial accreditation procedure, including programme documents, regarding the proposed academic bachelor programme Technology and Liberal Arts & Sciences of University of Twente. In order to obtain an informed advice about the quality of the proposed programme, the NVAO convened an expert panel. The panel has studied the programme's information file and listed a series of questions which the programme has answered in the run-up to the site visit. During the site visit, the panel met with representatives of the university, programme management and teaching staff. Below, the panel presents the considerations which have led to the assessment.

The panel regards the goal of the programme to educate engineers with a broad perspective as appropriate. These engineers will be educated to be able to address topics from the social sciences as well. The intended learning outcomes of the programme are sound. These not only reflect the competences of the specialist engineering programmes but also the interdisciplinary competences, required for the graduates of this programme. The intended learning outcomes meet the 3TU requirements and, therefore, the Dublin descriptors, indicating the level of the programme is a bachelor's level. The learning outcomes reflect the learning objectives drafted for liberal arts and sciences programmes. The panel considers the codes of conduct the graduates have to comply with as being valuable for their personal development.

The target group of gifted students is the right target group for this programme. The admission procedure is sound, selecting the students who have the abilities to complete the programme. The intended learning outcomes are completely and evenly reflected in the curriculum. The concept of the programme is well elaborated in the curriculum. The courses are appropriate in transferring the disciplinary knowledge which the students need. The theme-related projects provide an interesting structure to implement the interdisciplinary nature of the programme. Still, the projects ought to be elaborated in more detail. The panel recommends to draft the learning objectives of the projects more precisely in order to ensure these to meet the intended learning outcomes. The panel considers the Personal pursuit projects appropriate for the students' personal development. These projects reflect the concept of *Bildung*. As these projects are inherently self-directed, the programme management should ensure the Personal pursuit projects to meet the intended learning outcomes. The panel does not question the willingness and the abilities of the programme management to achieve this. The panel applauds the role of the examination board in approving the plans for these projects. The degree of choice of courses the students have allows them to prepare for the master's programme of their preference. The panel assesses the course material to be appropriate but encourages the programme management to make certain that the choice of texts is aligned with the learning objectives.

The members of the staff core team are all very motivated and enthusiastic teachers. The cohesion of the team is strong. The disciplinary knowledge of the teachers is up to standard. Their didactical abilities meet the requirements of this small-scale, intensive programme. The panel feels the teachers will be able to effectively transfer knowledge and skills.

The didactical concept of project-led education is well-suited for this programme. Teams of 4 to 8 students have to handle ill-defined situations which they have to redefine into a set of

Pagina 3 van 7 problems for which they conduct research and design solutions. The student-to-staff ratio of 16:1 is appropriate for this small-scale programme. The number of contact hours is adequate as well. The study guidance as represented in the mentoring system is good. The building and the material facilities of the programme enable the staff and students to organize the learning processes effectively.

The panel regards the programme to be very ambitious for the presently available staff, especially in time consuming elements such as the personal pursuit and mentoring. The panel would advise the programme management to adjust the programme to the resources available. The panel has observed awareness on the part of the programme management and the teachers to adjust the plans if the real situation would prove to differ in important aspects from the projections. The panel, therefore, is confident the programme management will be able to execute the programme along the lines now drawn.

The examination board of the programme is an important safeguard for the quality of the assessments as well as for the level of the graduates of the programme. The assessment forms conform to the learning objectives of the courses and the projects, are well elaborated and are appropriate to assess the individual contribution of students in the case of group projects. The panel is positive about the intention of the programme to have the examinations and the assessments reviewed by a second teacher. The panel would, nevertheless, advise the programme management to work out these plans in more detail. The assessment of the Graduation project by two assessors and by means of a report as well as an oral defence is adequate. When this project is a group project, the assessment procedure enables the assessors to identify and rightly assess the individual performance of each of the students. The panel is confident the graduates of the programme will have the capacities to be admitted to a number of demanding master's programmes and will, therefore, be able to pursue their career to become the engineers with the broad perspective the programme management wants to educate. The choices for courses the students can make enable them to prepare for a number of interesting master's programmes. The panel understands that the programme management advises the students to pursue further studies in a challenging master's or graduate programme and not to enter the labour market upon completion of this bachelor's programme.

The guarantee by the University of Twente that students will be able to complete the programme is appropriate. The budget the programme management has drawn up is realistic. The funding by the Faculties and the University of Twente constitutes important financial safeguards, giving the programme ample opportunity to develop and execute the programme in the way the programme management has envisaged. The panel regards the financial basis of the programme to be sound.

The panel acknowledges the intention of the programme to be registered in the Croho domain Sectoroverstijgend, subonderdeel Onderwijs/Landbouw en natuurlijke omgeving/Natuur/Techniek/Gezondheid and the motivation supplied in the information dossier. In view of the multi- and interdisciplinary nature of the programme, which has been established also during the initial review, the panel accepts the programme's intention and advises the NVAO that the programme be registered in the Croho domain mentioned above.

In response to the question put to the panel by the NVAO whether the addition 'Technology' to the name of the programme is appropriate, given that all other University Colleges in the Netherlands are called 'Liberal Arts and Sciences', the panel regards the name Technology

Pagina 4 van 7 and Liberal Arts & Sciences a good representation of the distinctive nature of the programme within the field of Liberal Arts and Sciences programmes in the Netherlands. It advises against a shortening of the name to 'Liberal Arts & Sciences'.

Given these considerations, the panel advises the NVAO to take a positive decision with regard to the quality of proposed academic bachelor programme Technology and Liberal Arts & Sciences of University of Twente.

Aanbevelingen

De NVAO onderschrijft de aanbevelingen van het panel om:

- de samenhang tussen projecten en de leerdoelen van de opleiding concreet uit te werken;
- toe te zien op een zorgvuldige inpassing van Personal pursuit projecten in de leerdoelen van de opleiding en een passende beoordeling van de uitkomsten van de projecten.

De NVAO besluit de aanvraag Toets nieuwe opleiding wo-bachelor Technology and Liberal Arts & Sciences van de Universiteit Twente positief te beoordelen. Bij e-mail van 18 juli 2012 heeft het college van bestuur van de gelegenheid gebruikt gemaakt om te reageren. Dit heeft geleid tot enkele tekstuele aanpassingen.

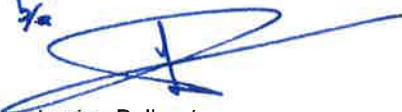
Graad: Bachelor of Science.

Gelet op het bepaalde in artikel 5a.11, vijfde lid, van de WHW in verbinding met artikel 3.1 van het Uitvoeringsbesluit WHW 2008 acht de NVAO onderdeel Sectoroverstijgend, subonderdeel Onderwijs / Landbouw en natuurlijke omgeving / Natuur / Techniek / Gezondheid van het Croho-register passend voor de opleiding.

Van kracht tot en met: 17 juli 2015.¹

Den Haag, 18 juli 2012

Nederlands-Vlaamse Accreditatieorganisatie



Lucien Bollaert
(bestuurder)

Tegen dit besluit kan op grond van het bepaalde in de Algemene wet bestuursrecht door een belanghebbende bezwaar worden gemaakt bij de NVAO. De termijn voor het indienen van bezwaar bedraagt zes weken.

¹ Gelet op het bepaalde in artikel 18.32c, derde lid, van de Wet op het hoger onderwijs en wetenschappelijk onderzoek (WHW) bedraagt de geldigheidsduur van de accreditatietermijn van de opleiding maximaal drie jaar zolang de instelling nog niet beschikt over een positieve instellingstoets kwaliteitszorg. Zodra de instellingstoets is verkregen, wordt de accreditatietermijn verlengd naar zes jaar.

Onderwerp	Standaarden	Ordeel
1 Beoogde eindkwalificaties	De beoogde eindkwalificaties van de opleiding zijn wat betreft inhoud, niveau en oriëntatie geconcretiseerd en voldoen aan internationale eisen	V
2 Onderwijsleeromgeving	Het programma, het personeel en de opleidingsspecifieke voorzieningen maken het voor de instromende studenten mogelijk de beoogde eindkwalificaties te realiseren	V
3 Toetsing	De opleiding beschikt over een adequaat systeem van toetsing	V
4 Afstudeergarantie en financiële voorzieningen	De instelling geeft aan studenten de garantie dat het programma volledig kan worden doorlopen en stelt toereikende financiële voorzieningen beschikbaar	V
Algemene conclusie		V

V = voldoende O = onvoldoende

Pagina 7 van 7 **Bijlage 2: Samenstelling panel**

- Prof.dr. J.C.M. van Eijndhoven, (voorzitter) emeritus hoogleraar in Sustainability Management aan de Erasmus Universiteit Rotterdam;
- Prof.dr..Mark Somerville, (lid), Professor of Electrical Engineering and Physics aan Olin College, Boston, USA en Associate Dean for Faculty Affairs and Research aldaar;
- Dr. C. van den Bogaert, (lid), fysicus en Departementshoofd van het Departement Onderwijs van de Universiteit van Antwerpen;
- Drs. M.M. Vermeulen, (lid), natuurkundige en beleidsmedewerker Institutional Development Office van de Erasmus Universiteit Rotterdam;
- E. van Duin MSc, (student-lid), in 2012 afgestudeerd aan de Research Master Brain and Cognitive Sciences-Neuroscience aan de Universiteit van Amsterdam.

Het panel werd bijgestaan door dr. Thomas de Bruijn, beleidsmedewerker NVAO, procescoördinator en drs. W.J.J.C. Vercouteren RC, extern secretaris.