

## **Master Thesis FAQ**

### **Q1: What is a master thesis?**

The master thesis is an examination paper, which concludes the scientific education in every degree course within the academic program ISE. It is used to show that a student is capable of processing a problem from the corresponding field of engineering sciences autonomously and with scientific methods and presenting it comprehensibly, within a given period.

### **Q2: What are the requirements to register for the master thesis for MTW3 students?**

- The student must have acquired the **80 ECTS** credits required for enrolment
- Students who have obtained their study qualification at a German-speaking institution must have spent at least one period of study abroad.

### **Q3: What is the duration of the master thesis?**

The master thesis duration is 26 weeks. It may take longer if the student has a job for (maximum) one day a week.

#### **Q4: How can the student find a suitable thesis?**

It is the student's responsibility to find a supervisor for the thesis related to the topics of the degree programme. Please contact appropriate companies or institutes yourself to find a place to do the master thesis.

Which topic?

During your studies, you have certainly become acquainted with topics that are of particular interest to you. Think about what you would like to study more intensively over a longer period of time. Perhaps you also came across an interesting topic during your internship. Does this perhaps already result in a topic for your final thesis? Perhaps you already have preferences for your professional career and would like to gain more in-depth knowledge in this area with your Master thesis. Once you have found a topic, please seek discussion with a possible supervisor in order to narrow down and precisely define the topic. It is important to find a research question that you would like to answer.

Note: a list of companies related to water and wastewater fields is provided at the end of the document

Note: Theses that are not written at the University of Duisburg-Essen must be approved in advance.

You can find the application here: [LINK](#)

#### **Q5: Is it possible to do the master thesis at the department of Prof. Panglich?**

Yes, we have free places for Master theses from time to time. But there is no way that we can offer a position for all of our students. Therefore, you should also look for a place externally.

## Q6: What are the steps for preparing the final thesis?

- Searching for a supervisor , who is offering an interesting topic.
- Discussion of the topic with the supervisor.
- Filling in the registration form for the final thesis together with the supervisor.
- The registration form is sent to the examination office by the supervisor.
- Signing the registration form at the examination office.
- Starting with the thesis project. Information on the format of the thesis is provided by the supervisor.
- After about three months, there will be a mid-term presentation at the chair, in which the aims of the thesis and the results achieved so far will be presented.
- Final deadline: Submitting the thesis at the examination office in triplicate version, printed and bound in DIN A4 format as well as in a suitable electronic form.

(Please sign the Declaration in lieu of an oath (Eidesstattliche Versicherung) in the original version after printing!)

[https://www.uni-due.de/imperia/md/content/zentralespruefungsamt/nowak/eidesstattliche\\_versicherung\\_englisch\\_.pdf](https://www.uni-due.de/imperia/md/content/zentralespruefungsamt/nowak/eidesstattliche_versicherung_englisch_.pdf)

- Evaluation of the thesis by the supervisor.
- Defending the thesis within a colloquium.

## List of companies related to water and wastewater fields

Company/Institute	Location	Keywords	Contact	email	Phone
<b>IUTA</b> Institut für Energie- und Umwelttechnik e.V.	<b>Duisburg</b> Bliersheimerstr. 58-60, 47229 Duisburg	Research in water process and treatment technologies, environmental hygiene and trace compounds, air purification processes	Official contact	info@iuta.de	+4920654180
			Department Luftreinhaltung (air purification): Frau Dr. Margot Bittig	bittig@iuta.de	+492065418300
			Department Spurenanalytik: Andrea Börgers	boergers@iuta.de	+492065418157
<b>IWW Zentrum Wasser</b>	<b>Mülheim</b> Moritzstraße 26, 45476 Mülheim	Water resource and economy management, - technologies, - quality and microbiology	Official contact	info@iww-online.de	+49208403030
<b>Bürkert Fluid Control Systems</b>	<b>Ingelfingen</b> Christian-Bürkert-Str 13-17, 74653 Ingelfingen	Valves, Pumps, Regulators	Dominik Zimmermann	dominik.zimmermann@burkert.com	+497940100
<b>Bürkert CUT Membrane Technology</b>	<b>Erkrath</b> Feldheiderstraße 42, 40699 Erkrath	Membranes	Official contact  Project Management Engineer: Majk Milovic	filtration@burkert.com  majk.milovic@cut-membrane.com	+492104176320
<b>Gelsenwasser AG</b>	<b>Gelsenkirchen</b>	Drinking water supply	Official contact		+492097080

	Willy-Brandt-Allee 26,45891 Gelsenkirchen		Klas Rabenschlag (technical employee)	klas.rabenschlag@gelsenwasser.de	
<b>Frauenhofer UMSICHT</b> Frauenhofer Institut für Umwelt-, Sicherheits- und Energietechnik	<b>Oberhausen</b> Osterfelderstraße 3, 46047 Oberhausen	Elimination of Micropollutants	Department Processes: Christoph Glasner	christoph.glasner@umsicht.frauenhofer.de	+4920885981133
<b>DME GmbH</b> Deutsche Meerwasser Entsalzung	<b>Duisburg</b> Bismarckstraße 120, 47057 Duisburg	Desalination Processes	Claus Mertes	claus.mertes@dme-gmbh.de	+492033064250
<b>MARTIN Membrane Systems</b>	<b>Berlin</b> Friedrichstraße 95, 10117 Berlin  <b>Sonneberg</b> Werkringstraße 10, 96515 Sonneberg  <b>Brüsewitz</b> Von-Thünen-Str. 1-4, 19071 Brüsewitz  <b>Warin</b> Wald-Eck 7, 19417 Warin	Membrane Bioreactors	Official contact Chairman: Daniel Crawford  Official contact  Official contact  Official contact	daniel-crawford@martin-membrane.com	+493020964400  +49367573350  +4938874432610  +493848222154
<b>AquaNet</b>	<b>Berlin</b> Friedrichstraße 95, 10117 Berlin	Networking	Sebastian Wengler	wengler@aquanet.berlin	+493022488909
<b>Koch Membrane Systems</b>	<b>Aachen</b> Kackertstraße 10, 52072 Aachen	Membranes	Official contact		+49241413260

			Sales Manager: Giuseppe Guglielmi	guglielmig@kochmembrane.com	
<b>GRUNDFOS GmbH</b>	<b>Erkrath</b> Schlüterstraße 33, 40699 Erkrath	Water and waste water technologies, Pump Systems	Official contact	infoservice@grundfos.com	+49211929690
<b>Membrana GmbH</b>	<b>Wuppertal</b> Öhder Straße 28, 42289 Wuppertal	Membranes	Official contact		+4920260990
<b>WEHRLE Umwelt GmbH</b>	<b>Emmendingen</b> Bismarckstraße 1-11, 79312 Emmendingen	Membrane Bioreactors, Reverse Osmosis	Dr. Ing. Bernd Fitzke	fitzke@wehrle-umwelt.de	+4976415850
<b>BWT</b> Best Water Technology	<b>Schriersheim</b> Industriestraße 7, 69198 Schriersheim  <b>Wiesbaden</b> Spiegelstraße 13, 65163 Wiesbaden	Water treatment technologies	BWT Wassertechnik GmbH  BWT water + more Deutschland GmbH	<a href="mailto:bwt@bwt.de">bwt@bwt.de</a>  info@water-and-more.de	+496203730  +49611580190
<b>Ruhrverband</b>	<b>Essen</b> Kronprinzenstraße 37, 45128 Essen	Water economy association	Official contact	<a href="mailto:info@ruhrverband.de">info@ruhrverband.de</a>	+492011780
<b><u>EGLV</u></b>  <b>Emscher Genossenschaft</b>  <b>Lippe Verband</b>	<b>Essen</b> Kronprinzenstr. 24, 45128 Essen  <b>Dortmund</b> Königswall 29, 44137 Dortmund	Water economy association	Job application: Christoph Krapf  Internship: Kira Mannhardt	<a href="mailto:krapf.christoph@eglv.de">krapf.christoph@eglv.de</a>  praktikum@eglv.de	+492011042209  +492011042468

<b>DVGW</b> Deutscher Verein des Gas- und Wasserfaches e.V.	<b>Bonn</b> Josef- WirmerStraße 1- 3, 53123 Bonn	Technical and scientific association	Official contact	info@dvgw.de	+4922891885
<b>HUBER SE</b>	<b>Berching</b> Industriepark Erasbach A1, 92334 Berching	Waste water treatment technologies	Official contact  Master Thesis: HUBER SE Abteilung Personal Postfach 63 92334 Berching	<a href="mailto:info@huber.de">info@huber.de</a>	+4984622010  +498462201142
<b>Sulzer</b>	<b>Winterthur, Switzerland</b> Neuwiesenstraße 15, 8401 Winterthur	Water tecnologies, Pump Systems	Official contact		+41522621122
<b>Stadtwerke Düsseldorf</b>	<b>Düsseldorf</b> Höherweg 100, 40233 Düsseldorf	Drinking water treatment, supply and quality management	Official contact  Master Thesis: Deniz Sen Postfach 101136 40002 Düsseldorf	info@swd-ag.de  dsen@swd-ag.de	+492118210  +492118212731
<b>inge GmbH</b>	<b>Greifenberg</b> Flurstraße 27, 86926 Greifenberg	Membranes	Official contact	info@inge.ag	+498192997700
<b>CarboTech AC GmbH</b>	<b>Essen</b> Elisenstr. 119, 45139 Essen	Adsorption, Activated Carbon	Official contact	info@carbotech.de	+492012489900
<b>WTE Wassertechnik GmbH</b>	<b>Essen</b> Ruhrallee 185, 45136 Essen	Drinking water supply, Waste water treatment	Markus Pollmann	<a href="mailto:Markus.Pollmann@wte.de">Markus.Pollmann@ wte.de</a>	+492018968530

<b>Stadtwerke Neuss</b> Energie und Wasser GmbH	<b>Neuss</b> Moselstr. 25-27, 41464 Neuss	Drinking water treatment, supply and quality management	Official contact	<a href="mailto:info@stadtwerke-neuss.de">info@stadtwerke- neuss.de</a>	
<b>RWW</b> Rheinisch-Westfälische Wasserwerksgesellschaft mbH	<b>Mülheim an der Ruhr</b> Am Schloß Broich 1-3, 45479 Mülheim	Drinking water treatment, supply and quality management	Internship: Dirk Sempell  Official contact		+492084433477  +4920844331
<b>Energie- und Wasserversorgung Hamm GmbH</b>	<b>Hamm</b> Südring 1/3, 59065 Hamm	Drinking water treatment, supply and quality management	Official contact	post@ewv-hamm- netz.de	+4923812740
<b>Jacobi Carbons GmbH</b>	<b>Frankfurt am Main</b> Lurgiallee 6-8, 60439 Frankfurt	Adsorption processes, Activated Carbon technologies	Official contact	infode@jacobi.net	+49697191070
<b>Hessenwasser GmbH &amp; Co. KG</b>	<b>Groß-Gerau</b> Taunusstr. 100, 64521 Groß- Gerau	Drinking water treatment, supply and quality management	Official contact	<a href="mailto:info@hessenwasser.de">info@hessenwasser. de</a>	+4969254900
<b>Berliner Wasserbetriebe</b>	<b>Berlin</b> Neue Jüdenstraße 1, 10179 Berlin	Drinking water treatment, supply and quality management, waste water treatment	Official contact for Job application  Internship: Personalagentur / Katharina Walther, 10864 Berlin		08002927587  03086442477
<b>PSE Engineering GmbH</b>	<b>Quakenbrück</b> Pfaffenstr. 11, 49610 Quakenbrück  <b>Hannover</b>	Drinking water, process water and waste water plant planning and manufacturing	Official contact		+4954314099152



	Ahrensburgerstr. 1, 30659 Hannover		Official contact		+495112614200
	<b>Düsseldorf</b> Monschauerstr. 1, 40549 Düsseldorf		Official contact		+4921117934410 0