

# Virginia Tech → Technische Universität Darmstadt Dual BSME Degree Program Application

( please type or print )

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

VT PID: \_\_\_\_\_ @vt.edu VT student number: \_\_\_\_\_

## Status:

- U.S. citizen / Virginia resident
- U.S. citizen / non-Virginia resident
- U.S. permanent resident / Virginia resident      Citizenship: \_\_\_\_\_
- U.S. permanent resident / non-Virginia resident      Citizenship: \_\_\_\_\_
- International student      Visa: \_\_\_\_\_      Citizenship: \_\_\_\_\_

## Attachments:

- Copy of passport showing identification page (or copy of application receipt)
- Virginia Tech transcript (unofficial transcript is acceptable)
- Virginia Tech DARS (if necessary use the VT BSME what-if option)

## Contact information:

Blacksburg address: \_\_\_\_\_

City: \_\_\_\_\_ State/Zip: \_\_\_\_\_

Tel: \_\_\_\_\_ Mobile/Cell

Tel: \_\_\_\_\_ Daytime

Tel: \_\_\_\_\_ Evening

Alternate address: \_\_\_\_\_

City: \_\_\_\_\_ State/Zip: \_\_\_\_\_

Tel: \_\_\_\_\_ Mobile/Cell

Tel: \_\_\_\_\_ Daytime

Tel: \_\_\_\_\_ Evening

## Application Deadlines:

The deadline to apply for these programs is the **Second Friday of the VT Spring semester prior to going abroad** (e.g., January 26, 2018 for the 2018-2019 VT BSME senior year abroad).

Submit application (paper copy) to:

Prof. Jan Helge Bøhn  
Mechanical Engineering (0710)  
Randolph Hall, 114-H, Virginia Tech  
460 Old Turner Street  
Blacksburg, VA 24061

## Program Options:

There are two program options:

1. **Senior year abroad at TUD:** The students complete their VT BSME senior year at Technische Universität Darmstadt (TUD); that is, it is a one-year program that replaces the standard Fall-Spring senior year at VT with a Winter-Summer senior year at TUD. The corresponding course credits (but not grades) are transferred from TUD to VT. The students must have German language skills prior to going to Germany (see next page). The students graduate in August and in time to start graduate school later that month.
2. **VT-TUD Dual BSME degree:** The students complete all the requirements for the *Senior year abroad at TUD* program, and they restrict their electives while at TUD such that they can simultaneously earn a BS in Mechanical Engineering from both VT and TUD. Hence, the students will typically have only one elective per semester at TUD. This program cannot be combined with the VT dual BS/MS program.

### Program Option Desired (select one):

- Senior year abroad at TUD  
 VT-TUD Dual BSME degree

### Year in Darmstadt (select one):

- 2018-2019       2020-2021  
 2019-2020       2021-2022

## Proposed Plan of Study:

Please refer to the following online documents for more details:

### Standard program of study:

<http://www.tud.vt.edu/BS/ATLANTIS-TUDhandout2018.pdf>

### Technical electives at Technische Universität Darmstadt:

[http://www.tud.vt.edu/BS/VT-TUD\\_TransferEquiv2015.pdf](http://www.tud.vt.edu/BS/VT-TUD_TransferEquiv2015.pdf)

## **AREA 2, 3, 6, 7**

At present, there are only a few Technische Universität Darmstadt courses approved towards the Virginia Tech AREA 2, 3, 6, 7 course requirements. Therefore, in most cases, these course requirements should be completed prior to departing for Technische Universität Darmstadt. The current list of approved AREA 2, 3, 6, 7 courses can be found online here: <http://www.tud.vt.edu/BS>

## **German Language Skills**

Students must have sufficient German language skills in order to study engineering at Technische Universität Darmstadt (TUD). A German language skills test must be completed at TUD prior to the October start of the TUD Winter semester. To pass this test, a student should either earn a “B+” in GER 2106 or 2114 at VT and attend the intensive German language courses during VT Summer II (SS2 bridge course) at TUD and early-Fall semester at TUD; **or** earn a “B” in GER 3106 at VT and attend the intensive language course in early-Fall at TUD — all prior to the October semester start.

Questions regarding German language preparation at Virginia Tech should be directed to the Virginia Tech Department of Foreign Languages and Literatures.

## **GPA requirements**

Students must have a VT overall GPA  $\geq 3.0$  and have earned a “C” or better in all VT engineering (ECE, ENGE, ESM, ISE, ME, MSE) and natural science (CHEM, MATH, PHYS, STAT) courses prior to departing for Germany.

Current overall GPA = \_\_\_\_\_

## **Statement of Purpose**

Briefly describe in the space below why you want to participate in this program:

List your remaining courses, by semester, until you graduate:

**Sophomore Year – Fall semester:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Sophomore Year – Spring semester:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Summer Following Sophomore Year:**

1. Industry internship →  YES  NO
2. Other: \_\_\_\_\_

*Or if you need to make up courses:*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Junior Year – Fall semester:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Junior Year – Spring semester:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Summer Following Junior Year:**

1. GER 2114 →  YES  NO
2. SS2 bridge course →  YES  NO

*Or if already passed GER 3106 with “B” or better:*

3. Industry internship →  YES  NO
4. Other: \_\_\_\_\_

Identify how you plan to satisfy the following Virginia Tech course requirements:

**AREA 2 courses:**

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

**AREA 6 course:**

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

**AREA 3 courses:**

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

**AREA 7 course:**

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

**Early-Fall at TUD prior to Senior Year:**

1. German language at TUD →  YES  NO

*This language training is strongly recommended (expected) for all students that are not native-German speakers.*

**Senior Year – Winter semester (starts approximately October 15):**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

**Senior Year – Summer semester (ends approximately July 15):**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

*The TUD summer semester exam period generally ends prior to August 15 in order to accommodate graduate studies starting at the end of August. The corresponding Virginia Tech graduation date will be August.*

**Future Academic and Professional Plans (select all that apply):**

- MS degree at Virginia Tech
- MS degree at Technische Universität Darmstadt
- Dual MS degree at Virginia Tech & Technische Universität Darmstadt
- Ph.D. degree at Virginia Tech
- Dr.-Ing. degree at Technische Universität Darmstadt
- Work in the USA
- Work in Germany