ZHAW Pre-Departure Academic Requirements

All participants of the ZHAW School of Engineering exchange program must adhere to the requirements listed below.

**PREREQUISITES**

Prior to attending ZHAW, GVSU students must complete two sets of learning modules with labs. **Participants are expected to make an appointment with Dr. Bogdan Adamczyk:** [**adamczyb@gvsu.edu**](mailto:adamczyb@gvsu.edu) **(616) 331-7286 to verify eligibility in the program and discuss the logistics of completing the modules**

Module 1 with lab is for EGR 314

1. Time-Domain Analysis of 2nd Order Systems
2. Laplace Transform/Inverse Laplace Transform
3. Transfer Function and S-Domain Circuit Analysis

Module 2 is for EGR 315

1. Op-Amp Circuits – Integrator, Differentiator
2. Instrumentation Amplifier
3. Diode Basics and Applications: Power Supply and Wave-Shaping Circuits

These prerequisite learning modules will be completed under the supervision of a GVSU engineering professor within a 3-4 week period during the summer semester preceding the fall of your junior year, or at the beginning of the fall semester of your junior year.

**POSTREQUISITE**

After attending ZHAW, GVSU students must complete two additional sets of learning modules:

Module 1 with lab for EGR 314

1. Passive Filters

Module 2 is for EGR 315

1. CMOS, Digital Logic Circuits

**DELAY OF EGR 326 EMBEDDED SYSTEM DESIGN**

Please note that participation in this exchange program will result in a necessary one-year delay of EGR 326 Embedded Systems. As such, students will be required to take EGR 326 during the Fall semester of their final year, in conjunction with EGR 490 Engineering Co-op III. Students must be able to commute to class during regular class periods. Available course times may conflict with student work schedules. Students are advised to obtain pre-approval from co-op employers prior to participating in this program.