



College of Engineering and Computer
Science

University of Central Florida

Internships

- Internships while studying are very valuable for students and employers alike
- Provide practical experience as part of student's engineering/CS education.
- Provides for foot in the door for intern at sponsoring company
- Provide potential employers with opportunity to closely evaluate a prospective employee



International Internships

- Value of internship rises dramatically if international
- Provides a wealth of experiences that go much beyond technical and corporate experience of domestic internship
 - Cultural enrichment
 - Possibly learning a second language
 - Evidence of risk-taking by the student
- Multi-national companies highly value employees who have international experience
 - Will often give them priority in the hiring process



Eligibility

- UCF undergraduate majors :
 - Mechanical / Aerospace Engineering
 - Electrical Engineering
 - Industrial Engineering
 - Computer Science
- 3.0 UCF GPA
- Junior or senior in the MAJOR at time of internship
- Must be available

May 7 – August 16, 2020

Spring 2020 semester ends April 30, 2020

UCF Fall semester starts August 22, 2020



General Information

- Salary of €500 - €750 /month – enough to live on (\$550-\$830)
 - No need for visa prior to departure - if US Passport
Obtained upon arrival with assistance from university or employer
- You will be an exchange student at UCF partner universities
FH Erfurt or HSBremen
- Housing assistance from partner university or employer
- Student must enroll for experiential learning credits at UCF
 - Six credits if during summer and not seeking IE minor
 - 12 credits if not during summer or if seeking IE Minor (3 of these are for cultural class)

Cost

	3 months	BF 100 %	BF 75%
UCF Global Admin Fee *	\$350.00	\$350.00	\$350.00
UCF in state tuition * 6 hrs	\$1,273.68		\$318.42
Billable subtotal:	\$1,623.68	\$350.00	\$668.42
Flight	\$1,200.00	\$1,200.00	\$1,200.00
Housing	\$1,200.00	\$1,200.00	\$1,200.00
Meals	\$1,800.00	\$1,800.00	\$1,800.00
Local Transportation	\$50.00	\$50.00	\$50.00
Phone	\$100.00	\$100.00	\$100.00
Visa	\$20.00	\$20.00	\$20.00
Student services fee 270	\$270.00	\$270.00	\$270.00
Health insurance	\$360.00	\$360.00	\$360.00
	\$6,623.68	\$5,000.00	\$5,668.42
Pay \$550 - \$830 per month	\$550 - 830		
x 3 months	\$1650-2490		
Total:	\$6,623.68	\$5,000.00	\$5,668.42
	\$1,650.00	\$1,650.00	\$1,650.00
low end of \$550 per month	\$4,973.68	\$3,350.00	\$4,018.42
Total:	\$6,623.68	\$5,000.00	\$5,668.42
high end of \$830 per month	\$2,490.00	\$2,490.00	\$2,490.00
	\$4,133.68	\$2,510.00	\$3,178.42

Travel and Fun money not included

All apply to internship

- Pell Grant
- Bright Futures
- Pegasus Scholarship
- Provost Scholarship
- Florida Prepaid
- Florida Assistance Grant
- Benacquisto Scholarship
- HAS National Hispanic
- Black and Gold Grant
- Any other aid you receive at UCF

International Engineering Minor

Total of 18-20 hours

1. 6-8 credits of German language, one course prior to internship at UCF. Second can be on return.

2. 3 credits of cultural coursework

3. 9 credits of internship overseas

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- - - - - UNOFFICIAL TRANSCRIPT          Transfer
- - - - - Academic Program

Major      College of Engr & Comp Sci
           Electrical Engineering
iMinor     International Engineering Minor

- - - - - UCF Degrees Awarded
Degree     Bachelor of Science in Electrical
Confer Date 05/04/2017
Major      Electrical Engineering
Minor      International Engineering Minor
    
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See the UCF catalog > minors > international engineering

Employers

- **Siemens** <https://new.siemens.com/global/en/products/energy/power-generation/power-plants.html>
 - Electrical generator manufacturing plant, Energy Systems Department
- **MCD Mitsubishi Daimler** Chrysler <https://www.mdc-power.com/>
 - Automotive Engine Manufacturing Plant They assemble 50% of all automotive engines for Mercedes Benz automobiles worldwide with 5,000 gasoline and diesel engines produced per day. Large modern plant with 13 semi-automated assembly lines
- **AES Aero** <https://www.aes-aero.de/company/>
 - An international company serving our customers in the aviation, space, and maritime industries. Portfolio includes aircraft cabins electronics, comprehensive electrical engineering services, electronic design, and certification services.
- **AKKA** <https://www.akka-technologies.com/germany/>
 - an engineering firm specializing in automotive, aeronautics, space, transport, energy and defense. New internship
- **Zarm** <https://www.zarm.uni-bremen.de/en/career/jobs.html> Spin-off from the Centre of Applied Space Technology and Microgravity, an institute of the University of Bremen

Siemens (1 position)

- Mechanical Engineering student (or Aerospace)
- Calculations Department (Dr. Thomas Walbeck)
- Ability to speak/understand basic German **is required**
(but not necessarily be fluent in German)
- Knowledge of ANSYS desirable.
- Skills in freehand drawing of parts
- Willingness to learn NX



<https://erfurtsummer2019.home.blog>

By Gregory Ratz

Siemens (1 position)

- Mechanical Engineering student (or Aerospace)
- Ability to speak some German highly desirable, but not required
- Mr. Dirk Petzoldt
- Willingness to learn NX

[LanceWhiteBlog](#)



Siemens (1 position not confirmed)

- Electrical Engineering student
- High Voltage Laboratory
- Ability to speak German not required, but highly desirable
- Knowledge of Insulation and high voltage technology



MDC Power (2 positions)

- Industrial or Mechanical Engineering majors interested in learning Industrial Engineering concepts (lean manufacturing, Kaizen, optimization, etc.)
- OR
- Computer Engineering major interested in Industry 4.0 and industrial IoT
- Interns will commute to the plant (20 minute drive) MDC Power will set up carpooling arrangement for interns
- Ability to speak/understand basic German is desirable but not required
- Engineering Department (Mr. Peter Tschugg)

<https://alyssaosmith.wixsite.com/summer2019>

By Alyssa Smith



MDC (1 position) – Industry 4.0

- Information Technology Department (Mr. Sven Titze)
- Computer Science major
- Must have a strong interest in systems integration, data analysis and computer & network architecture
- Ability to speak/understand basic German is desirable but not required
- Interns will commute to the plant (20 minute drive)
 - MDC Power will set up carpooling arrangement for interns



AES Aero, AKKA, Zarm (5 positions)

- AES Aero: 1 position – Mechanical, Aerospace major



<https://juansinternshipgermany.home.blog/>

by Juan Rodriguez

- ZARM: 1 position - Computer Science / Informatics / Artificial Intelligence / Robotics Industrial Engineering
- AKKA: 3 positions - Mechanical, Aerospace, Electrical, Industrial and Computer Science majors may apply

Other possible companies

- Positions available with some very well-known companies!
 - **Airbus** – IT/database students, possibly Industrial Engineering.
 - **InPro** – electronic mechanics / robotics students
 - **Ariane Group** - TBD
 - **ABAT** - TBD
 - **Daimler** (Mercedes Benz)
 - **Fraunhofer IFAM** - TBD
 - **OHB System** - TBD
 - **AES Aero** - TBD





How to apply?

Go to <https://www.cecs.ucf.edu/study-abroad>

Application link is on landing page

PowerPoint link is on landing page

Complete study abroad interest form

Deadline for Summer 2020 – **Wednesday, November 20**

Selected applicants will be called for **interview Nov. 25, 26, 27**

Location in Germany



Learn German!

- If selected, it is **HIGHLY** advisable to learn German
- UCF offers only GER 1121 Elementary II in spring 2020

4 class section(s) found

▼ GER 1121C - Elementary German Language and Civilization II

Class	Section	Days & Times	Room	Instructor	Meeting Dates	Status
18031	0001-LEC Regular	MoWeFr 10:30AM - 11:20AM	NSC O111	Deborah Horzen	01/06/2020 - 04/27/2020	●
18202	0002-LEC Regular	MoWeFr 9:30AM - 10:20AM	NSC O111	Deborah Horzen	01/06/2020 - 04/27/2020	●
18203	0003-LEC Regular	MoWeFr 1:30PM - 2:20PM	NSC O147	Deborah Horzen	01/06/2020 - 04/27/2020	●

Valencia State College offers 2 sections, one online

GER1120 - Elementary German I

Course Description

CRN	Days	Time	Location	Delivery	Credit	Dates	Instructor	My List	Books	Fees
24218				Online	4	01/06/20 04/26/20	Novelli Spina, Mariagrazia	<input type="checkbox"/>	\$134	\$0
23015	I R	0200P 0340P	WC-003 ROOM: 131	Face-to-face	4	01/06/20 04/26/20	Kloko, Randy	<input type="checkbox"/>	\$134	\$0

OR online videos

Learn basic German language:

<https://www.youtube.com/watch?v=GwBfUzPCiaw>

<https://www.youtube.com/watch?v=39IZVX4cVmc>

<https://www.youtube.com/watch?v=reiwDLp3qdk>

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Questions?

