



2015-2016 Completion Guide

Operations Engineering Certificate of Achievement
 ICCB Approved Total Program Hours: 41 Semester Hours

9/22/2014

The following suggested schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.

Courses that are approved for the AA/AS degrees are **bolded**.

Program Prerequisites:

The certificate in Operations Engineering is for an individual who has earned an AAS in either IMT or EEAS. The additional skills learned in this additional credential open the individual to a wider range of employment opportunities in the industry.

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
OET 101	Intro Operations & Risk	4	T	Approval of Department	FL	
ENG 101 OR ENG 130	Rhetoric or Technical Writing and Communication	3	T	Appropriate COMPASS placement score or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 079 and ENG 089, or ENG 096. ENG 130 -- COMPASS Placement into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 079 and ENG 089, or ENG 096.	ALL	
MATH 142	Accelerated Trigonometry/Algebra	5	T	Appropriate COMPASS placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent.	ALL	Students cannot receive credit for MATH 142 if they already have received credit for MATH 138 and MATH 139.
Total Semester Hours:		12				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes

EEAS 113	Industrial Control II	4	T	EEAS 111	SP	
Total Semester Hours:		4				

Summer Semester

Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
OET 295	Internship	4	T	OET 101 and approval of department	SM	
Total Semester Hours:		4				

Third Semester

Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
PHYS 101	General Physics I	5	T	COMPASS Placement into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 079 and ENG 089, or ENG 096.	FL	
EEAS 215	Process Control & Instrumentation	4	T	EEAS 113	FL	
Total Semester Hours:		9				

Fourth Semester

Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
PHYS 102	General Physics II	5	T	PHYS 101	SP	
IMT 121	Industrial Fluid Power	3	T	None	SP	
OET 291	OET Career Orientation	1	T	OET 101	SP	
EGR 160	Applied Thermody	3	T	OET 101 and approval of department	SP	
Total Semester Hours:		12				

For more information Counseling & Advising
 Main Campus Room A-1155 815-280-2673
 Greg Pakieser, Department Chairperson and Program Coordinator
 Technical Department T-1064 815-280-2305

