

# SUBSEA ENGINEERING - CERTIFICATE

---

The graduate certificate in Subsea Engineering is for engineers who seek graduate level education in subsea engineering, but do not wish initially to pursue a full masters-level degree in subsea engineering. The certificate program is suitable for newly hired engineers and employed engineers of offshore oil and gas industry to develop their skills and knowledge and experienced engineers and professionals looking for new opportunities in supporting oil and gas functional activities. Students already engaged in graduate engineering studies may also pursue the certificate as a complement to their graduate degree programs. Admission to the certificate program requires applicants to have a four-year bachelor's degree in engineering degree or a related field.

This program is also approved for delivery via asynchronous distance education technology.

## Program Requirements

Code	Title	Semester Credit Hours
SSEN 630	Fundamentals of Subsea Engineering	3
SSEN 632	Subsea Project Implementation	3
SSEN 650	Flow Assurance and Operability of Subsea Systems	3
Select two of the following:		6
SSEN 633	Transition from Fossil Fuels	
SSEN 640	Subsea Hardware Design	
SSEN 641	Subsea Umbilical and Control System Design	
SSEN 642	Subsea Pipeline Design	
SSEN 643	Subsea Riser Design	
SSEN 646	Applied Reliability Engineering for Subsea Systems	
SSEN 651	Subsea Production Operations	
SSEN 685	Directed Studies	
SSEN 691	Research	
<b>Total Semester Credit Hours</b>		<b>15</b>