

# Bachelor of Science in Engineering - Mechanical Engineering 2019-2020 Catalog

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

NSHE ID#: \_\_\_\_\_

## UNLV General Education Core (27-39 Credits)

### English: 6 Credits

	SEM	CRED	GRADE
ENG 101*		3	
ENG 102*		3	

### First Year Seminar: 2-3 Credits

EGG 101/L Recommended

	SEM	CRED	GRADE

### Second Year Seminar: 0-3 Credits

\*\*\*Phil 242 satisfies SYS & Humanities (Engineering Students Only)

\*\*\*0 credits if Phil 242 taken as SYS

	SEM	CRED	GRADE

### Constitution: 4-6 Credits

Choose from: PSC 101, HIST 100, HIST 101+102,  
or HIST 101 + (HIST 217 or PSC 100)

	SEM	CRED	GRADE

### Social Science: 6 Credits

Must be from 2 different areas **NOT ECON**

**\*\*SEE NOTE BELOW**

	SEM	CRED	GRADE
CEE 307		3	
		3	

### Fine Arts: 3 Credits

Choose from approved list in catalog

**\*\*SEE NOTE BELOW**

	SEM	CRED	GRADE
		3	

### Humanities: 6 Credits

Must be from 2 different areas

**\*\*SEE NOTE BELOW**

	SEM	CRED	GRADE
***PHIL 242		3	
		3	

## Departmental Requirements: 92 Credits

### Math/Science: 30 Credits

	SEM	CRED	GRADE
CHEM 121A*		3	
CHEM 121L*		1	
MATH 181*		4	
MATH 182*		4	
MATH 283		4	
MATH 431		3	
ME 402		3	
PHYS 180*		3	
PHYS 180L*		1	
PHYS 182*		3	
PHYS 182L*		1	

### Free Elective: 1 credit minimum

	SEM	CRED	GRADE

## Engineering Science: 31 Credits

	SEM	CRED	GRADE
CEE 241*		3	
ME 242*		3	
EE 292		3	
ME 301		3	
ME 302		3	
ME 302L		1	
ME 330^		2	
ME 319/L		2	
ME 380^		3	
ME 380L		1	
ME 311		3	
ME 314		3	
ME 315		1	

## Engineering Dynamics Requirement: 6 Credits

Must complete 2 of the 3 courses

	SEM	CRED	GRADE
ME 320		3	
ME 421		3	
ME 453		3	

## Design or Laboratory Elective: 1 Credit

(CHOOSE ONE: ME 120, 130, 220, 230, 240)

	SEM	CRED	GRADE
		1	

## Design and Analysis: 12 Credits

	SEM	CRED	GRADE
ME 220 or 240*		1	
ME 337		3	
ME 423L		1	
ME 440		3	
ME 497		2	
ME 498		2	

## ME Upper-Level TechnicalElectives: 12 Credits

Choose from Approved Department List

	SEM	CRED	GRADE
		3	
		3	
		3	
		3	

## NOTES:

\*Designates courses to be completed as pre-major curriculum.  
**A grade of C or higher must be earned in all pre-major courses.**

\*\* A 3-credit international and 3-credit multicultural class must be completed per UNLV GEN ED. requirements. The use of "Double-Dipper" courses are recommended, see approved list.

^Advanced Standing needed for this course. Students must fill out paperwork and meet with Faculty Mentor

**GRADES OF C OR HIGHER MUST BE EARNED IN ALL MATHEMATICS, SCIENCE AND ENGINEERING COURSES THAT ARE PREREQUISITES FOR OTHER COURSES PER THE 2019-20 CATALOG**

**MINIMUM GPA NEEDED FOR GRADUATION  
2.0 UNLV OVERALL GPA**

**Total Credits: 120-132**