

School of Engineering — Lower Division Requirements

Bioengineering	Met	Fall	Spring
Computer Science course: ME 021			
Chemistry courses: CHEM 010* → CHEM 008* + L			
Biology course: BIO 002* + L			
Fundamental Engineering courses: ENGR 045* ENGR 057* ENGR 065*			
Bioengineering course: BIOE 030*			

Computer Science & Engineering	Met	Fall	Spring
Computer Science courses: CSE 020 → CSE 021*			
Core Computer Science courses: CSE 030* → CSE 031*			
Engineering fundamentals (pick two): ENGR 057* ENGR 045* ENGR 065*			
<i>Upper Division options are available.</i>			

Environmental Engineering	Met	Fall	Spring
Computer Science course: ME 021			
Chemistry courses: CHEM 010*			
Engineering fundamentals : ENGR 057* ENGR 045* ENGR 065*			
<i>ENGR 045 & ENGR 065 may be satisfied by Upper Division courses.</i>			
Core Engineering course: ENVE 020*			

Mechanical Engineering	Met	Fall	Spring
Computer Science course: ME 021			
Fundamental Engineering courses: ENGR 045* ENGR 057* ENGR 065*			

Materials Science & Engineering	Met	Fall	Spring
Computer Science course: ME 021			
Physics course: PHYS 010*			
Fundamental Engineering courses: ENGR 045* ENGR 057*			

***Prerequisites (◊ may be taken concurrently)**

<u>BIO 002</u>	<u>BIOE 030</u>	<u>CHEM 008</u>	<u>CHEM 010</u>	<u>CSE 021</u>	<u>CSE 030</u>	<u>CSE 031</u>	<u>ENVE 020</u>	<u>PHYS 010</u>	<u>ENG 045</u>	<u>ENG 057</u>	<u>ENG 065</u>
BIO 001	CHEM 002 ◊	CHEM 002 (A-)	CHEM 002	CSE 020	CSE 021	CSE 030	CHEM 010	PHYS 008	CHEM 002	MATH 021	MATH 024
	BIO 001	(or CHEM 010)	MATH 011 ◊				MATH 021	PHYS 009 ◊	MATH 021	PHYS 008	PHYS 009
	MATH 021								PHYS 008		
	PHYS 008										

A successful student is a happy student! Let us help—follow these tips:

- Run MyAudit before & after you register.
- If you struggle to pass any math or science courses, see an advisor! Engineering may not be the best major for you.
- Utilize a GPA calculator: registrar.ucmerced.edu/gpa_calculator
- See a Peer Academic Advisor: M-F, 10am-4pm, Tuolumne Lounge
- Tutoring is a great option for all students! And it's free!
 - STEM Resource Center: stemresourcecenter.ucmerced.edu
 - PALS Tutoring: learning.ucmerced.edu
 - Math Center: mathcenter.ucmerced.edu

