

# BEACH

EDGE  
EARTH SYSTEMS

## Recommended Roadmap 2024-2025

Semester	Status	Required Courses (# of units)	Elective Courses (# of units)	GE Courses	Total B.S. Units	Total Major Units	Total M.S. Units
<b>1st Year: Fall</b>	Lower-division courses only	<ul style="list-style-type: none"> <li>• EARTH 102 (3)</li> <li>• GE 5A</li> <li>• EARTH 104 (1)</li> <li>• GE 5C</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• GE Area 1 (3)</li> <li>• GE Area E (3)</li> <li>• GE Area 3 (3)</li> </ul>	13	4	0
<b>1st Year: Spring</b>	Lower-division courses only	<ul style="list-style-type: none"> <li>• MATH 122 (4)</li> <li>• GE 2</li> <li>• CHEM 111A (5)</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• GE Area 1 (3)</li> <li>• GE Area 3 (3)</li> </ul>	15	9	0
<b>2nd Year: Fall</b>	Lower-division courses only	<ul style="list-style-type: none"> <li>• EARTH 240 (4)</li> <li>• MATH 123 (4)</li> <li>• EARTH 250 (3)</li> </ul>	N/A	GE Area 1 (3)	14	11	0
<b>2nd Year: Spring</b>	Lower-division courses only	<ul style="list-style-type: none"> <li>• PHYS 100A (4)</li> <li>• CHEM 111B (5)</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• GE Area 4 (3)</li> <li>• GE Area 6 (3)</li> </ul>	15	9	0
<b>3rd year: Fall</b>	Completed Major Specific requirements with a "C" or better and minimum 2.5 GPA; Upper-division status	<ul style="list-style-type: none"> <li>• EARTH 363 (3)</li> <li>• EARTH 339 (3)</li> <li>• EARTH 300 (3)</li> <li>• UD-5</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• GE Area 4 (3)</li> <li>• GE Upper Division (Area 3 or 4) (3)</li> </ul>	15	9	0
<b>3rd Year: Spring</b>	Beach EDGE Program eligible	<ul style="list-style-type: none"> <li>• EARTH 496 (1)</li> <li>• STAT 108 (3)</li> <li>• BIOL 211 (5)</li> <li>• GE 5B</li> </ul>	<b>At least one of the following:</b> <ul style="list-style-type: none"> <li>• EARTH 433 (4)</li> <li>• EARTH 303 (3)</li> </ul>	GE Upper Division (Area 3 or 4) (3)	15-16	12-13	1
<b>4th Year: Fall</b>	Beach EDGE Program eligible	<ul style="list-style-type: none"> <li>• EARTH 474 (3)</li> <li>• EARTH 496 (2)</li> </ul>	<b>At least three of the following:</b> <ul style="list-style-type: none"> <li>• EARTH 420 (3)</li> <li>• EARTH 443 (4)</li> <li>• EARTH 461 (3)</li> <li>• EARTH 303 (3)</li> </ul>		14-15	12	2

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<b>4th Year: Spring</b>	Beach EDGE Program eligible	ERTH 445 (4) or ERTH 340 (3)	ERTH 510 (3) <b>and one 500/600-level electives:</b> • ERTH 537 (3) • ERTH 554 (3) • ERTH 570 (3) • ERTH 577 (4)		13	10	6
<b>5th Year: Fall</b>	M.S./Beach EDGE Program	• ERTH 500 (2) • ERTH 695 (3) • ERTH 697 (3)	<b>One 500/600-level elective:</b> • ERTH 524 (3) • ERTH 530 (3) • ERTH 531 (3) • ERTH 555 (3) • ERTH 570 (3)		0	11	11
<b>5th Year: Spring</b>	M.S./Beach EDGE Program	• ERTH 698 (6) • ERTH 695 (1)	<b>One 500/600-level elective:</b> • ERTH 554 (3) • ERTH 570 (3) • ERTH 575 (3)		0	10	10

Please see [Earth Systems B.S. + Geology M.S.: Geology EDGE Program](#) for more information.