

DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the [Graduate College Bulletin](#).

DOCTOR of PHILOSOPHY

K109/R175

MAJOR: Biomedical Engineering (dual with D.D.S.)

Program effective **Summer 2026**

COURSEWORK REQUIREMENTS

Coursework Requirements

<input type="checkbox"/> BME 5971 Seminar in Biomedical Engineering Research (3 semesters).....	3 hours
<input type="checkbox"/> Four courses in biomedical engineering from an approved list.....	12 hours
Must include 3 hours of physiology unless the requirement has been satisfied through prior undergraduate or graduate study (as determined by the Graduate Studies Committee). Students who have fulfilled the physiology requirement through prior coursework will not receive credit toward the degree for additional physiology courses taken at OU unless the SBME graduate liaison approves in advance.	
<input type="checkbox"/> Two courses in life sciences from an approved list	6 hours
PHYOD 7196 may be shared with the D.D.S. and used to satisfy this requirement.	
<input type="checkbox"/> Two courses in engineering, science, or math.....	6 hours
DSA 7592 and BIOCD 7194 may be shared with the D.D.S and used to satisfy this requirement.	
<input type="checkbox"/> One course in Statistics approved by Ph.D. advisory committee and signed by the Graduate Liaison.....	3 hours
Total	30 hours
<input type="checkbox"/> Additional coursework	0-43 hours
Dissertation Research	
<input type="checkbox"/> BME 6980 Research for Doctoral Dissertation	2-45 hours
2 hours minimum / 45 hours maximum	
<input type="checkbox"/> TOTAL	75 hours

ADDITIONAL REQUIREMENTS

- Up to 12 graduate credit hours may be double counted, e.g. counted as credit for both degree programs: BIOCD 7194 Biochemistry (4 hours), DSA 7592 Behavioral Sciences I (2 hours), and PHYOD 7196 Physiology (6 hours). Credit transferred from institutions other than OUHSC may not be double counted.
- The oral defense of the Ph.D. dissertation and the final document submission must be satisfactorily completed before the student completes the first semester of the D.D.S. curriculum.
- Up to 9 hours of BME 6980 may be taken in the fall semester of the 2nd year of the Ph.D. program

NOTE: For students who hold a Master of Science degree in Biomedical Engineering from the University of Oklahoma, the Ph.D. requires a minimum of nine (9) graduate credit hours beyond the M.S. The M.S. degree requires two courses in life science and two courses in engineering/science/math; the Ph.D. requires one additional life sciences courses and two additional engineering/science/math courses beyond the M.S.