

# ENDODONTICS, M.S. IN DENTISTRY

The Center for Advanced Dental Education (<https://www.slu.edu/cade/>) at Saint Louis University offers a program in the specialty of endodontics that leads to the Master of Science in Dentistry degree and a certificate in endodontics. This program is offered in close affiliation with the Missouri School of Dentistry and Oral Health AT Still University. The program requirements are conducted at both Saint Louis University and the Missouri School of Dentistry and Oral Health AT Still.

## Curriculum Overview

Courses include preclinical endodontic technique, literature review, preclinical teaching practicum, clinical teaching practicum, pulp biology, concepts in biomedical science, principles of endodontic surgery, American Board of Endodontics review, clinical endodontics and thesis research.

## Fieldwork and Research Opportunities

SLU's graduate endodontic program focuses on a comprehensive clinical experience involving diagnosis and treatment of all categories of nonsurgical and surgical endodontic cases; courses encompassing biomedical and clinical concepts; and research related to the discipline of endodontics. Fifty-one credits are required for graduation.

Students also receive training in research design and statistics and must conduct an original research project. This effort leads to the preparation and defense of a thesis and, subsequently, the production of a manuscript suitable for publication in a journal relating to the specialty of endodontics. The experience of discovery provided by such research is an integral part of the graduate program, and students are expected to produce a meaningful contribution to the field of endodontics.

## Careers

Our goal is to prepare the graduate to pursue a career of many possibilities: as a clinician with a practice limited to endodontics, as a researcher or as a teacher of endodontics.

## Admission Requirements

The prerequisite for matriculation in any CADE dental training program is the possession of a D.D.S., D.M.D. or equivalent general dental degree.

Students must have successfully passed a regional dental board examination and established eligibility for dental licensure in Missouri.

## Application Criteria

- Online application through ADEA Postdoctoral Application Support Service (ADEA PASS)
- Three letters of recommendation
- DAT scores
- National board score test results (not required for international applicants)
- Transcript(s)
- Biographical goals statement
- Curriculum vitae or résumé

## Requirements for International Students

All admission policies and requirements for domestic students apply to international students. International students must also meet the following additional requirements:

- Demonstrate English Language Proficiency (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/>)
- Financial documents are required to complete an application for admission and be reviewed for admission and merit scholarships.
- Proof of financial support that must include:
  - A letter of financial support from the person(s) or sponsoring agency funding the student's time at Saint Louis University
  - A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of the student's study at the University
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include:
  - Courses taken and/or lectures attended
  - Practical laboratory work
  - The maximum and minimum grades attainable
  - The grades earned or the results of all end-of-term examinations
  - Any honors or degrees received.

WES and ECE transcripts are accepted.

## Application Deadline

The deadline for completing the online application and submitting all supporting documents is July 1 for admission into the program the following July.

## Review Process

A committee examines and reviews the applicant and application wholly. Promising applicants are invited for on-site interviews in July.

## Tuition

Tuition	Cost Per Semester
Graduate Tuition	\$21,900

Additional charges may apply. Other resources are listed below:

Net Price Calculator (<https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php>)

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/>)

## Scholarships and Financial Aid

For priority consideration for graduate assistantship, apply by Feb. 1.

For more information, visit the student financial services office online at <https://www.slu.edu/financial-aid/index.php> (<https://www.slu.edu/financial-aid/>).

## Accreditation

The endodontic program is fully accredited by the Commission on Dental Accreditation of the American Dental Association. Following completion of the program, graduates are educationally qualified for certification by the American Board of Endodontics.

## Learning Outcomes

1. Graduates will be able to use the knowledge and concepts of endodontics, apply major practices, theories, or evidence-based literature in clinical endodontics.
2. Graduates will be able to assess relevant literature or scholarly contributions in endodontics.
3. Graduates will be able to articulate arguments or explanations to both a disciplinary or professional audience and to a general audience, in both oral and written forms.
4. Graduates will be able to evidence scholarly and professional integrity in endodontics.

## Requirements

Code	Title	Credits
BBS 5100	Ethics for Research Scientists	0
CAD 5010	Pain: Anatomy, Physiology, Psychology, Treatment	1
CAD 5030	Advanced Oral Microbiology	2
CAD 5060	Ethics and Dentistry	0
CAD 5070	Bone Physiology (offered even years)	1
CAD 5080	Multidis Diag + Trtmnt Plan I	1
CAD 5220	Clinical Immunology	1
CAD 5100	Dental Therapeutics	1
CAD 5110	Small Business Basics	1
CAD 5190	Advanced Head and Neck Anatomy	2
ENDG 5000	Preclinical Endodontic Techniques	1
ENDG 5120	Management of the Medically Compromised Patient (offered even years)	1
ENDG 5200	Literature Review I	1
ENDG 5210	Literature Review II	1
ENDG 5220	Literature Review III	1
ENDG 5230	Literature Review IV	1
ENDG 5240	Literature Review V	1
ENDG 5410	Pulp Biology	1
ENDG 5450	Review of Inflammation for Endodontics (offered even years)	1
ENDG 5470	Concepts in Biomedical Science (offered odd years)	1
ENDG 5510	Principles of Endodontic Surgery	1
ENDG 5520	American Board of Endodontics Review	1
ENDG 5600	Clinical Endodontics I	1
ENDG 5610	Clinical Endodontics II	2
ENDG 5620	Clinical Endodontics III	2
ENDG 5630	Clinical Endodontics IV	1
ENDG 5640	Clinical Endodontics V	2
ENDG 5650	Clinical Endodontics VI	2
ENDG 5660	Clinical Endodontics VII	1
ENDG 5910	Endodontic Journal Club (taken over multiple semesters, 4hrs max)	1

ENDG 5950	Special Study for Exams	0
ENDG 5990	Thesis Research (taken over multiple semesters)	6
ORES 5010	Introduction to Biostatistics for Health Outcomes	3
ORES 5100	Research Methods in Health & Medicine	3
CAD 5170	Advanced Oral Pathology (and Medicine)	1
ENDG 5700	Endodontic Case Presentation Seminar	1

**Total Credits** 51

## Non-Course Requirements

Supervised clinical endodontic treatment of patients; comprehensive endodontic specialty examinations utilizing written, oral, and practical clinical formats; teaching practicum.

The minimum clinical requirements are 300 cases and 15 surgical experiences. The program director is fully responsible for ensuring adequate experience in all phases of clinical endodontics.

## Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

## Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
<b>Year One</b>		
<b>Summer</b>		
CAD 5080	Multidis Diag + Trtmnt Plan I	1
ENDG 5000	Preclinical Endodontic Techniques	1
ENDG 5410	Pulp Biology	1
ENDG 5600	Clinical Endodontics I	1
ENDG 5910	Endodontic Journal Club	0
ENDG 5700	Endodontic Case Presentation Seminar	0
ORES 5010	Introduction to Biostatistics for Health Outcomes	3
<b>Credits</b>		<b>7</b>
<b>Fall</b>		
CAD 5080	Multidis Diag + Trtmnt Plan I	1
ENDG 5200	Literature Review I	1
ENDG 5450	Review of Inflammation for Endodontics	1
ENDG 5610	Clinical Endodontics II	2
ENDG 5910	Endodontic Journal Club	1
ENDG 5120	Management of the Medically Compromised Patient	1
ENDG 5700	Endodontic Case Presentation Seminar	0
<b>Credits</b>		<b>7</b>

**Spring**

BBS 5100	Ethics for Research Scientists	0
CAD 5030	Advanced Oral Microbiology	2
CAD 5060	Ethics and Dentistry	0
CAD 5080	Multidis Diag + Trtmnt Plan I	1
CAD 5100	Dental Therapeutics	1
CAD 5190	Advanced Head and Neck Anatomy	2
ENDG 5510	Principles of Endodontic Surgery	1
ENDG 5210	Literature Review II	1
ENDG 5470	Concepts in Biomedical Science (odd years only)	1
ENDG 5620	Clinical Endodontics III	2
ENDG 5910	Endodontic Journal Club	1
ENDG 5700	Endodontic Case Presentation Seminar	0
CAD 5070	Bone Physiology	1

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**Credits 13**
**Year Two****Summer**

CAD 5010	Pain: Anatomy, Physiology, Psychology, Treatment	1
CAD 5080	Multidis Diag + Trtmnt Plan I	1
ORES 5100	Research Methods in Health & Medicine (online)	3
ENDG 5220	Literature Review III	1
CAD 5110	Small Business Basics	1
ENDG 5630	Clinical Endodontics IV	1
ENDG 5910	Endodontic Journal Club	1
ENDG 5990	Thesis Research	1
ENDG 5700	Endodontic Case Presentation Seminar	0

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**Credits 10**
**Fall**

CAD 5080	Multidis Diag + Trtmnt Plan I	1
CAD 5220	Clinical Immunology	1
ENDG 5230	Literature Review IV	1
ENDG 5520	American Board of Endodontics Review	1
ENDG 5640	Clinical Endodontics V	2
ENDG 5910	Endodontic Journal Club	1
ENDG 5990	Thesis Research	2
ENDG 5700	Endodontic Case Presentation Seminar	0

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**Credits 9**
**Spring**

CAD 5080	Multidis Diag + Trtmnt Plan I	1
CAD 5175	Advanced Oral Pathology & Medicine	2
ENDG 5240	Literature Review V	1
ENDG 5650	Clinical Endodontics VI	2
ENDG 5910	Endodontic Journal Club	0
ENDG 5990	Thesis Research	2
ENDG 5700	Endodontic Case Presentation Seminar	0

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**Credits 8**
**Year Three****Summer**

CAD 5080	Multidis Diag + Trtmnt Plan I	1
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ENDG 5660	Clinical Endodontics VII	1
ENDG 5910	Endodontic Journal Club	0
ENDG 5950	Special Study for Exams (Oral Thesis Exam)	0
ENDG 5990	Thesis Research	1
ENDG 5700	Endodontic Case Presentation Seminar	1
<b>Credits</b>		<b>4</b>
<b>Total Credits</b>		<b>58</b>