

# ADVANCED EDUCATION IN GENERAL DENTISTRY, PROFESSIONAL CERTIFICATION

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**More Information:** <https://case.edu/dental/departments-programs/advanced-education-general-dentistry-aegd/aegd-residency-program>

**Credential:** Dental Post-Professional Certificate

**Field of Study:** Advanced Education in General Dentistry

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## Program Overview

The AEGD program is a one-year experience with a major emphasis in clinical general dentistry designed to provide the resident with training beyond that received in the pre-doctoral curriculum.

Formal courses, seminars, and literature review, as well as one week of "on call" per month, enhance the resident's ability to handle dental and medical emergencies encountered in everyday practice.

The AEGD program provides the resident the opportunity to deliver the highest quality of comprehensive dental care to the broadest range of the population with knowledge, comfort, and ease in treating the high-risk patient and underserved segment of the population including: HIV/AIDS, medically compromised, physically handicapped and geriatric populations with considerable experience in implantology and full mouth rehabilitation.

The AEGD program enables the resident to become proficient in diagnosis and treatment planning for the more challenging and complex cases to identify and treat many medical and/or dental emergencies encountered in everyday dental practice. The AEGD program introduces the resident to the basic concepts of hospital dentistry and helps them interact with their medical colleagues and other health care providers.

## Goals and Objectives

- To provide the residents with the didactic knowledge and clinical experience to deliver multidisciplinary comprehensive oral health care to a wide range of the population beyond the level of predoctoral education. (This includes providing community services through the management of the medically and/or immunocompromised patient, the physically handicapped patient, as well as the geriatric and the underserved segment of the population.)
- Enable the residents to identify and treat the most common medical and/or dental emergencies encountered in everyday dental practice.
- To develop in the residents the values of professional ethics, and acceptance of cultural diversity in the practice of dentistry.
- To develop the skills of self-evaluation and critical thinking.
- To provide the residents with experience to improve their ability to interact, function and communicate effectively with other healthcare professionals in the delivery of comprehensive treatment.
- To encourage the resident to continue the process of lifelong learning through continuing education, professional meetings, and review of literature.

- To provide the residents with training in inpatient care, practice and risk management in order to manage a private dental practice.

## Admission

Information about the program can be found on the School of Dental Medicine website.

## Program Requirements

The didactic component of the AEGD program is conducted in both the formal courses as well as the departmental seminars.

### Formal Courses

- Management of Medical Emergencies
- Pharmacology
- Orthodontic
- Interdisciplinary Seminars
- Occlusion
- Correlative Medical Sciences

### Seminars

- Literature review
- Case Presentation
- Endodontics
- Periodontics
- Oral Surgery
- Implantology
- Oral Diagnosis and Treatment Planning
- Preventive Dentistry
- Pain and Anxiety Control in the Conscious Patient
- Special Care Patients including the Medically Compromised
- Asepsis and Infection Control
- Pediatric Dentistry
- Operative Dentistry
- Fixed and Removable Prosthodontics
- Oral Medicine
- Practice Management

### Pediatric Rotation

- Length of Rotation or Experience (in weeks): 2
- Number of Hours per week: 10

### Objectives

- To provide residents with both clinical and didactic training in pediatric dentistry beyond that received in the pre-doctoral curriculum.
- To improve the resident's ability in diagnosis, treatment planning, oral examination, and physical evaluation of the pediatric patient.
- To improve the resident's ability to use non-pharmacologic management techniques to appropriately manage and guide the behavior of the child patient to accept needed treatment and to provide advice or guidance to the parent to enhance the child's acceptance.
- To assist the resident in developing a working knowledge of preventive and corrective dental procedures relating to the growth and development of the stomatognathic system.

- e. To increase both the confidence and competence of residents in meeting the general oral health needs of the pediatric patient.

## Sample Plan of Study

### First Year

<b>Fall</b>		<b>Hours</b>
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 550	Clinical Pharmacology	0 - 1
DENT 555	Management of Medical Emergencies	0 - 1
DENT 699	AEGD Residency Training	1 - 8
<b>Hours</b>		<b>1-10.5</b>

### Spring

DENT 502	Correlative Medical Science	0 - 2
DENT 698	Multidisciplinary Seminar	0 - .5
DENT 699	AEGD Residency Training	1 - 8
<b>Hours</b>		<b>1-10.5</b>
<b>Total Hours</b>		<b>2-21</b>