Polysomnographic Technology

Associate in Science Degree

Polysomnographic (PSG) Technology is an allied health specialty for the diagnosis and treatment of disorders of sleep and daytime alertness. The range of sleep disorders is varied but includes common disorders such as narcolepsy, sleep apnea, insomnias and many others. PSG technologists operate a variety of sophisticated electronic monitoring devices which record brain activity (EEG), muscle and eye movement, respiration, blood oxygen and other physiological events. Technologists are also involved in evaluation of various treatment methods.

PSG technologists are employed in Sleep Disorders Centers which can be located in medical centers, hospitals or clinic/office settings. The PSG program offers instruction which includes lectures, laboratory experience on campus, clinical experience at accredited sleep centers and physician lectures.

Competencies in the three learning domains are measured by various means in the course and clinical work and overall learning outcomes are documented by the graduate competencies. As a CAAHEP-accredited PSG Program, this course of instruction meets the eligibility requirements to take the PSG exam of the Board of Registration in Polysomnographic Technologists (BRPT).

Graduates from OCC's Neurodiagnostic Technology or Respiratory Care programs may complete the PSG degree program with one additional year of study. Many courses from these programs are directly related to Polysomnography. Students without these backgrounds can complete the AS degree in Polysomnographic Technology within two years. This program will accept new students to begin in the fall semester of odd years.

Program Outcome

The goal of the program is to meet the needs of the local health care community by preparing students for entry level employment as a professional and competent Polysomnographic Technologist.

In addition to completion of the prerequisite and required courses below, this program requires completion of the Associate in Science General Education as listed in the catalog.

Students are required to earn a grade of "C" or better in all program courses and prerequisites.

Program prerequisite or concurrent enrollment:

Health Occupations	ALH	A010	(.5)
Anatomy-Physiology	BIOL	A221	(4)
		Subtotal:	**(4.5)**

Recommended preparation:

Technical Math*	TECH	A040	(3)
Intro to Info Sys & Appl	CIS	A100	(3)

**(or Math A010 or higher or placement at Math A030 level)*

Required Courses

Course			Units
FALL			
Medical Terminology	ALH	A111	(3)
Applied Pharmacology	ALH	A130	(2)
Basic EEG	NDT	A110	(4)
Resp Anatomy & Physiology	RSPC	A185	(3)
SPRING			
Human Diseases	ALH	A120	(2)
Child Growth & Development	HMDV	A180	(3)
Advanced EEG	NDT	A115	(4)
Intro to Neuroanatomy & Phys	NDT	A190	(3)
Polysomnography Basics	PSG	A100	(1)
FALL			
Patient Care	ALH	A115	(2.5)
Intro to Polysomnography	PSG	A150	(3)
Cardiac Rhythm Analysis	PSG	A155	(.5)
Polysomnography Testing	PSG	A160	(2)
Polysomnography Clinical 1	PSG	A165	(1)
Polysomnographic Practice	PSG	A170	(.5)
Pulmonary Pathology	RSPC	A265	(3)
INTERSESSION			
Polysomnography Clinical 2	PSG	A175	(1)
SPRING			
Polysomnography Record Review	PSG	A250	(2.5)
Advanced Polysomnography	PSG	A260	(2)
Polysomnography Clinical 3	PSG	A265	(2)
Physician Lecture Series	PSG	A270	(1)
Polysomnography Internship	PSG	A285	(2)
			(48)
		Total:	**(52.5)**

Suggested electives:

Technical Writing & Critical Reasoning	ENGL	A105	(3)
Ethics	PHIL/RLST	A120	(3)
Conceptual Physics	PHYS	A110	(3)
Abnormal Psychology	PSYC	A255	(3)
Statistics for Behavioral Sci	PSYC	A160	(3)
Interpersonal Communication	CMST	A100	(3)

NEURODIAGNOSTIC TECHNOLOGY CROSS-TRAINING OPTION

This option is recommended for Neurodiagnostic Technology graduates who would like to cross-train as Polysomnographic Technologists.

ASSOCIATE IN SCIENCE DEGREE IN POLYSOMNOGRAPHIC TECHNOLOGY

Program option prerequisite:

Neurodiagnostic Technology Associate in Science Degree

Subtotal: **(55.5)**

Required Courses

Course			Units
FALL			
Intro to Polysomnography	PSG	A150	(3)
Cardiac Rhythm Analysis	PSG	A155	(.5)
Polysomnography Testing 1	PSG	A160	(2)
Polysomnography Clinical 1	PSG	A165	(1)
Polysomnographic Practice	PSG	A170	(.5)
Resp Anatomy & Physiology	RSPC	A185	(3)
Pulmonary Pathology	RSPC	A265	(3)
INTERSESSION			
Polysomnography Clinical 2	PSG	A175	(1)
SPRING			
Child Growth & Development	HMDV	A180	(3)
Polysomnography Record Review	PSG	A250	(2.5)
Polysomnography Testing 2	PSG	A260	(2)
Polysomnography Clinical 3	PSG	A265	(2)
Physician Lecture Series	PSG	A270	(1)
Polysomnography Internship	PSG	A285	(2)
			(26)
		Total:	**(81.5)**

RESPIRATORY CARE CROSS-TRAINING OPTION

This option is recommended for Respiratory Care graduates who would like to cross-train as Polysomnographic Technologists.

ASSOCIATE IN SCIENCE DEGREE IN POLYSOMNOGRAPHIC TECHNOLOGY

Program option prerequisite:

Respiratory Care Associate in Science Degree

Subtotal:	**(62.5)**

Required Courses

Course			Units
FALL			
Basic EEG	NDT	A110	(4)
Intro to Polysomnography	PSG	A150	(3)
Polysomnography Testing 1	PSG	A160	(2)
Polysomnography Clinical 1	PSG	A165	(1)
Polysomnographic Practice	PSG	A170	(.5)
INTERSESSION			
Polysomnography Clinical 2	PSG	A175	(1)
SPRING			
Child Growth & Development	HMDV	A180	(3)
Advanced EEG	NDT	A115	(4)
Intro to Neuroanatomy & Phys	NDT	A190	(3)
Polysomnography Record Review	PSG	A250	(2.5)
Polysomnography Testing 2	PSG	A260	(2)
Polysomnography Clinical 3	PSG	A265	(2)
Physician Lecture Series	PSG	A270	(1)
Polysomnography Internship	PSG	A285	(2)
			(31)
		Total:	**(93.5)**

RADIOLOGIC TECHNOLOGY (DIAGNOSTIC)

Associate in Science Degree

The Radiologic Technologist prepares demonstrations of human anatomy on an x-ray film or fluoroscopic screen for diagnostic use by a radiologist or other medical specialist. Graduates of the program are eligible for examination by the American Registry of Radiologist Technologists. Successful applicants have the right to use the title "Registered Radiologic Technologist" (RT(R). In order to practice in California, the R.T. must also apply for certification by the Department of Health Services in Sacramento. Completion of the Associate in Science degree a program qualifies the student for eligibility for the state C.R.T. Examination. A bachelor degree program has been articulated with CSU Northridge.

The Orange Coast College Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 900, Chicago, IL 60606-2901, Tel: (312) 704-5300, Fax: (312) 704-5304 and approved by the California Department of Public Health and is affiliated with numerous hospitals in Orange County. In this training consortium, students are rotated through planned learning experiences. Classrooms are well equipped and include on-campus energized x-ray laboratories.

Program application process is accomplished by taking program prerequisite, Allied Health A010. This short-term course is mandatory for all prospective program applicants. See current class schedule for specific course meeting times. Although applications are accepted throughout the year, the Radiologic Technology program starts only in the fall semester of every school year.

In addition to the Allied Health A010 course, the program has other prerequisites which must be completed with grade "C" or better before program entry. Students with prior Radiologic Technology training or experience may be eligible for a waiver of Allied Health A010 and/or advanced program standing.

The Radiologic Technology program is a full-time (two years including one summer session and two intersessions) program. Successful program completion requires the following: 1) completion of all required radiologic technology courses as outlined in catalog, 2) completion of approximately 1850 clinical hours, and 3) completion of all requirements for an Associate in Science degree as required by Orange Coast College. These specific program completion requirements must be satisfied within the two-year time frame of the Radiologic Technology program. Eligibility for the post program state and registry examinations are dependent upon meeting these requirements. The program applicant needs to complete all units of the General Education requirement before program entry. This program requires the student to participate in clinical experience concurrent with classroom courses. Clinical responsibilities will be arranged by the Radiologic Technology faculty and will include evening and/or weekend assignments. The student receives no salary for this clinical experience but will receive course credit toward program completion.

Radiologic Technology is a rapidly expanding allied health profession.

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Program Outcome

Graduate students who are clinically competent and meet the needs of the imaging community. Provide ethical patient care, comfort, and safety while demonstrating the communication and independent critical thinking skills necessary to effectively participate in the health care environment. Practice the concept of life-long learning through continued education and participation in professional Radiologic Technology organizations.

Program Admission:

1. Allied Health 010 course – application and orientation
2. The student must complete Associate of Science degree Mathematics and General Education requirements and the program prerequisites prior to acceptance to the program.

Program prerequisite:

Health Occupations	ALH	A010	(.5)
Medical Terminology	ALH	A111	(3)
Anatomy-Physiology	BIOL	A221	(4)
		Subtotal:	**(7.5)**

**(or Math A010 or higher or placement at Math A030 level)*

Students are required to earn a grade of "C" or better in all courses.

B. Required courses for this major:

Course			**Units**
FIRST YEAR			
FALL			
Patient Care	ALH	A115	(2.5)
Rad Physics & Protection	RADT	A110	(3)
Beg Radiologic Practice	RADT	A165	(1.5)
Rad Positioning/Critique 1	RADT	A170	(3)
Clinical Lab 1	RADT	A171	(1)
Radiographic Imaging	RADT	A180	(3)
INTERSESSION			
Clinical Lab 2	RADT	A172	(1)
SPRING			
Human Diseases	ALH	A120	(2)
Rad Positioning/Critique 2	RADT	A175	(3)
Clinical Lab 3	RADT	A176	(5.5)
Radiographic Pathology	RADT	A185	(1)
SUMMER			
Clinical Lab 4	RADT	A177	(3)
SECOND YEAR			
FALL			
Digital Imaging & Computer Applications	RADT	A265	(2)
Rad Positioning/Critique 3	RADT	A270	(3)
Clinical Lab 5	RADT	A271	(7.5)
INTERSESSION			
Clinical Lab 6	RADT	A276	(1)

SPRING

Radiologic Technology	RADT	A216	(2)
Rad Positioning/Critique 4	RADT	A275	(3)
ARRT Board Prep	RADT	A285	(1)
Applied Physics & Fluoroscopy	RADT	A290	(2.5)
Clinical Lab 7	RADT	A277	(5.5)
			(57)
		Total:	**(64.5)**

Students are required to earn a grade of "C" or better in all prerequisite and required courses.

Suggested elective:

Ethics	PHIL/RLST	A120	(3)

REAL ESTATE – BROKER

Students who complete the Real Estate-Broker Certificate of Achievement are equipped with immediately marketable skills and also the coursework necessary to sit for the California Real Estate Broker's Examination. All courses must be completed with a grade of "C" or better.

Program Outcomes

Upon successful completion of the Certificate of Achievement in Real Estate, graduates will be able to:

1. Function effectively in an entry-level real estate position using the skills, principles, and tools they have acquired.
2. Communicate effectively in personal organizational and real estate environments.
3. Apply the real estate principles they have learned to effectively facilitate real estate transactions in a variety of settings.
4. Be prepared to sit for the California Real Estate Broker's Exam.

CERTIFICATE OF ACHIEVEMENT

Required Courses

Course			Units
Accounting for Small Business (3)	ACCT	A100	
(Or)			(3-4)
Financial Accounting (4)	ACCT	A101	
Business Law	BUS	A110	(3)
Macroeconomics	ECON	A175	
(Or)			(3)
Microeconomics	ECON	A170	
Real Estate Principles	RE	A110	(3)
Legal Aspects of Real Estate	RE	A120	(3)
Real Estate Practice	RE	A130	(3)
Real Estate Appraisal	RE	A140	(3)
Real Estate Finance	RE	A150	(3)
		Total:	**(24-25)**

ASSOCIATE DEGREES

Complete the Certificate of Achievement and either the Associate in Arts or Associate in Science Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

REAL ESTATE – SALESPERSON

This program is designed for those individuals interested in pursuing a career in real estate. Real Estate Salesperson license requirements: Real Estate A110 and A130 are required courses, plus one other real estate elective. All three are required to take the state exam. Check with the California Department of Real Estate for any additional requirements and forms.

Program Outcomes

Upon successful completion of the Certificate of Specialization in Real Estate, graduates will be able to:

1. Function effectively in an entry-level real estate position using the skills, principles, and tools they have acquired.
2. Apply the real estate principles they have learned to effectively facilitate real estate transactions in a variety of settings.

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
Real Estate Principles	RE	A110	(3)
Real Estate Practice	RE	A130	(3)
Legal Aspects of Real Estate	RE	A120	
(Or)			
Real Estate Appraisal	RE	A140	(3)
(Or)			
Real Estate Finance	RE	A150	
		Total:	**(9)**

Suggested electives:

Accounting for Small Business	ACCT	A100	(3)
Business Law	BUS	A110	(3)
Intro to Info Sys & Appl	CIS	A100	(3)
Macroeconomics	ECON	A175	(3)
Microeconomics	ECON	A170	(3)