

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
2013-2014

Transfer Patterns for San Diego Mesa College Students

MAJOR: Certificate and BS Degree - CYTOTECHNOLOGY (Clinical Lab Science)

CYTOTECHNOLOGY is a specialty within the broad field of clinical laboratory science. Cytotechnologists aid in the early detection of disease by differentiating normal, atypical, and malignant cells. In recognizing microscopic abnormalities of cells and cellular patterns from the various body sites, the cytotechnologist assists the pathologist in detecting cancer at its earliest and potentially most curable stage. Medical applications of cytologic techniques are constantly expanding, particularly in the diagnosis and management of the cancer patient. Cytotechnologists work in HOSPITALS, CLINICS, or in independent PATHOLOGY LABORATORIES. They can advance to SUPERVISORY positions, participate in RESEARCH activities, or become TEACHERS in the field.

To be eligible for admission to the CERTIFICATE program only, the applicant must have a baccalaureate degree and complete the English, science and mathematics requirements given below. To continue into the B.S. program, all other general education requirements as outlined below must be fulfilled.

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LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES:

Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

HUMANITIES:

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

HUMANITIES:

Select from at least 3 subject areas:  
ARTF 100; MUSI 100  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:

NATURAL SCIENCES:

General Biology/lab, complete sequence  
Anatomy & Physiology/lab, sequence  
Microbiology/lab  
General Chemistry/lab, complete sequence  
College Algebra

NATURAL SCIENCES:

BIOL 107+215+250 (complete seq) (12)  
BIOL 230+235 (seq) (8)  
BIOL 205 (5)  
CHEM 200+200L+201+201L (seq) (10)  
MATH 116 (3)

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

Cultural Diversity (required)  
Select remainder from:  
Anthropology; Economics  
Psychology; Political Science  
Sociology; Geography

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

ANTH 103 (required) (3)  
Select remainder from:  
ANTH 102, 107; ECON 120, 121  
PSYC 101, 111, 121; POLI 101, 102, 103  
SOCO 101, 110; GEOG 101, 102

DOMAIN 3: COMMUNICATION: (min 9 qtr/6 sem units)

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
If needed, select remainder from:  
Computers  
Speech

COMMUNICATION: (min 9 qtr/6 sem units)

ENGL 101+105 (3+3)  
If needed, select remainder from:  
CISC 150 (3)  
SPEE 103 or 135 (3/3)

DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

Health Education (personal health or nutrition)  
2 PE Activity Courses

HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 98 qtr/64 sem units  
(Cell biology, genetics, histology recommended)

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: <http://www.llu.edu/apply/>

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MAJOR: BS Degree - CLINICAL LABORATORY SCIENCE (MEDICAL TECHNOLOGY)

The clinical laboratory scientist supervises, evaluates, or performs laboratory tests that aid the physician in the diagnosis, monitoring, and treatment of disease. Upon successful completion of the program, the graduate is eligible for certification by the American Society for Clinical Pathology and for licensure by the state of California.

LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES: Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

HUMANITIES:

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature, Philosophy  
History; Foreign Language/Amer Sign Lang

HUMANITIES:

Select from at least 3 subject areas:  
ARTF 100; MUSI 100  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:

NATURAL SCIENCES:

College Algebra (or higher level)  
General Chemistry with lab, complete sequence  
Organic Chemistry with lab, complete sequence  
Intro Physics with lab (to include light & electricity)  
General Biology with lab (one course)  
Pre-medical and pre-dental students should verify current admission requirements

NATURAL SCIENCES:

MATH 116 (3)  
CHEM 200+200L+201+201L (complete seq) (5+5)  
CHEM 231+231L+233+233L (seq) (10)  
PHYS 100 (4)  
BIOL 107 (4)

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

Cultural Diversity (required)  
Select remainder from:  
Anthropology; Sociology  
Psychology; Political Science  
Economics; Geography

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

ANTH 103 (required) (3)  
Select remainder from:  
ANTH 102, 107; SOCO 101, 110  
PSYC 101, 111, 121; POLI 101, 102, 103  
ECON 120, 121; GEOG 101, 102

DOMAIN 3: COMMUNICATION: (min 9 qtr/6 sem units)

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
If needed, select remainder from:  
Computer Applications  
Public Speaking

COMMUNICATION: (min 9 qtr/6 sem units)

ENGL 101+105 (3+3)  
If needed, select remainder from:  
CISC 150 (3)  
SPEE 103 or 135 (3/3)

DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

Health Education (personal health or nutrition)  
2 PE Activity Courses

HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 96 qtr/64 sem units

RECOMMENDED: Anatomy & Physiology, Biochemistry, Cellular or Molecular Biology, Genetics, Speech, Computer Applications, Critical Thinking

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PHLEBOTOMY CERTIFICATE:

Procedures in phlebotomy are designed to train individuals to collect blood for laboratory analysis, which is necessary for the diagnosis and care of the patient.

To be eligible for admission, the applicant must be 18 years of age or older and have a high school diploma or GED. All registrants must have current immunizations, PPD skin test, proof of hepatitis B vaccine, CPR (American Heart Association) Basic Life Support Certificate and must pass a background check.

To apply for Phlebotomy log onto: <http://www.llu.edu/allied-health/sahp/clinlab/phlebhome.page?>

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Transfer Patterns for San Diego Mesa College Students

**MAJOR: B.S. Degree – COMMUNICATION SCIENCES & DISORDERS**

Speech-language pathologists are concerned with evaluating and treating children and adults with communication disorders. Difficulties in the areas of speech, language, fluency, and voice are associated with a variety of disorders, including developmental delay, hearing impairment, cleft palate, cerebral palsy, stroke, and head injury. Audiologists are concerned with prevention, identification, assessment, and rehabilitation of hearing disorders. For both professions, it is important that the student have an interest in working with people.

Employment opportunities for speech-language pathologists and audiologists exist within SPEECH and HEARING CLINICS, PUBLIC SCHOOLS, HOSPITALS, UNIVERSITIES, HEALTH DEPARTMENTS, SKILLED NURSING FACILITIES, HOME HEALTH AGENCIES, REHABILITATION CENTERS, INDUSTRY and PRIVATE PRACTICE. These fields allow for considerable flexibility and there is ample opportunity for employment.

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**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language

**HUMANITIES:**

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Language

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS: (min 12 qtr/6 sem TOTAL from at least 2 areas)**

**NATURAL SCIENCES:**

One biological science course required  
One physical science course required  
2 yrs HS Algebra/C grade or better or Inter Alg in College  
Select additional from:  
Biology; Physics; Mathematics; Chemistry

**NATURAL SCIENCES:**

BIOL 107, 230, 235 (4)  
PHYS 100 (4)  
HS or MATH 96 (required/no credit)  
Select additional from:  
BIOL; PHYS; MATH; CHEM

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

General Psychology  
Human Development  
Select additional from:  
Psychology; Sociology; Anthropology; Political Science

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

PSYC 101 (3)  
PSYC 121 or CHIL 101 (3/3)  
Select additional from:  
PSYC; SOCO; ANTH; POLI

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech

**COMMUNICATION:**

ENGL 101+105 (3+3)  
SPEE 105 or 135 (3)

**DOMAIN 4: HEALTH AND WELLNESS:**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS:**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES: To meet minimum total requirements of 96 qtr/64 sem units**

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**TRANSITIONAL MS** - Admission to the program requires a bachelor's degree from an accredited college/university. Additional prerequisite coursework, beyond the bachelor's degree, is not required prior to entering this program.

**COMMUNICATION SCIENCES & DISORDERS MS** - Admission to the program requires a bachelor's degree in Communication Disorders (also called Speech-Language Pathology).

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MAJOR: BS Degree - HEALTH INFORMATION ADMINISTRATION

Health Information Management includes the development of information systems to provide optimal user access to medical records and other vital patient data. The health information specialist also manages or consults in maintenance of quality and legal standards for data used in administrative planning, research, patient care evaluation, and financial reimbursement. Opportunity exists for those with organizational talent, creative and analytic ability, and management skills. Graduates may find employment in HOSPITALS, RESEARCH CENTERS, HEALTH DATA ORGANIZATIONS, INSURANCE COMPANIES, INDUSTRIES, or AMBULATORY CARE FACILITIES.

LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES: Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

HUMANITIES:

Select from at least **3** subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

HUMANITIES:

Select from at least **3** subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS: (min 12 qtr/8 sem TOTAL from at least 2 areas)

NATURAL SCIENCES MINIMUM GEN ED:

Anatomy & Physiology/lab, complete sequence  
2 yrs HS Algebra/C grade or better or Inter Alg in College  
Medical Terminology  
Select additional from:  
Physics; Mathematics; Chemistry; Geology; Astronomy

NATURAL SCIENCES MINIMUM GEN ED:

BIOL 230+235 (complete seq) (4+4)  
HS or MATH 96 (required/no credit)  
MEDA 110 (3)  
Select additional from:  
PHYS; MATH; CHEM; GEOL; ASTR

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

Cultural Diversity (required)  
General Psychology  
Select remainder from:  
Anthropology; Sociology  
Economics; Political Science, Geography

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

ANTH 103 (required) (3)  
PSYC 101 (3)  
Select remainder from:  
ANTH 102, 107; SOCO 101, 110  
ECON 120, 121; POLI 101, 102, 103; GEOG 101, 102

DOMAIN 3: COMMUNICATION:

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Intro Computers with Word Processing  
Business Communications

COMMUNICATION:

ENGL 101+105 (3+3)  
CBTE 180 (Word Processing included) (3)  
BUSE 119 (3)

DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

Health Education (personal health or nutrition)  
2 PE Activity Courses

HEALTH AND WELLNESS: (min 3 qtr/ 2 sem units)

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 96 qtr/64 sem units

OTHER REQUIREMENT:

Intro Accounting 1 qtr/sem

ACCT 116A

(4)

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**HIT PROGRESSION** - To be eligible for admission, the applicant must be a graduate of an accredited HIT program or hold a current RHIT credential. GE requirements of Domains I through IV per SAHP Bulletin. Only up to 105 qtr/70 sem units are transferable from a Community/Junior college. In addition, the following courses must be completed: Pathology, Pharmacology, Medical Terminology, College Algebra (Intermediate Algebra accepted), General Psychology, Intro Accounting, Human A&P (complete seq), Intro to Computer Applications (must include word processing), Professional Communications (Business Communication accepted).

**CODING SPECIALIST CERTIFICATE** - HS Diploma/GED required. Applicant must complete: A&P, Medical Terminology, Essentials of Human Disease, and Introduction to Computer Applications.

**CERTIFICATE PROGRAM** - Applicant must have baccalaureate degree and complete the following requirements: Accounting, Intro to Computer Applications (must include Word Processing), Intermediate Algebra, A&P (seq), General Psychology, Medical Terminology, Statistics, Business Communications and Personnel Management.

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**MAJOR: HEALTH PROFESSIONS EDUCATION (PB certificate, M.S.)**

The 27-quarter unit Health Professions Education post baccalaureate certificate and the 48-quarter unit Master of Science degree are designed for faculty who want to enhance the effectiveness and efficiency of student learning in the classroom and clinic. Upon completion, graduates will be able to plan for effective learning experiences; improve assessment and evaluation of learning and instruction; and evaluate clinical performance with confidence, improve classroom performance, enhance academic administration skills, and develop expertise in health professions education.

Courses to complete the Master of Science degree include the core 18 units and a minimum of 6 units in Domain I and 6 units in Domain II, to a total of 48 units.

Units to complete the post baccalaureate certificate include the core 18 units and a minimum of 9 units selected in consultation with the program director from Domains I and II.

Additional courses may be added to each domain in consultation with the program director.

Requirements for admissions include a minimum of a baccalaureate degree from an accredited institution, licensure or eligibility for licensure in a recognized health care profession and a GRE score >750.

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Transfer Patterns for San Diego Mesa College Students

MAJOR: BS Degree - NUTRITION AND DIETETICS OR  
\* MS Degree - NUTURTION AND DIETETICS

The dietitian translates the science of nutrition into the skill of furnishing optimal nourishment to people. Increased recognition of the value of nutrition in HEALTH CARE offers the dietitian a steadily widening horizon of professional opportunities. Opportunities may also be found in HEALTH CARE RESEARCH PROGRAMS, FOOD INDUSTRIES, STATE AGENCIES and NUTRITION CARE MANAGEMENT.

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LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES: Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

HUMANITIES:

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; History  
Philosophy; Foreign Language/Amer Sign Lang

HUMANITIES:

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; HIST 105, 106, 109, 110  
PHIL 100, 102A, 102B, 107; Any Foreign Lang/Amer Sign Lang

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS: (min 12 qtr/6 sem TOTAL from at least 2 areas)

NATURAL SCIENCES:

\*General Chemistry (1 sem/2 qtrs)  
\*Human Anatomy & Physiology/lab, seq  
\*Microbiology/lab  
\*Algebra I&II in HS/min C grade or College Alg or above in Coll

NATURAL SCIENCES:

CHEM 200+200L (5)  
BIOL 230+235 (seq) (8)  
BIOL 205 (5)  
HS or MATH 96 (required/no credit)

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

Psychology  
Sociology  
Select additional from:  
Psychology; Sociology; Anthropology; Political Science

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

PSYC 101 (3)  
SOCO 101 (3)  
Select additional from:  
PSYC; SOCO; ANTH; POLI

DOMAIN 3: COMMUNICATION:

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech

COMMUNICATION:

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)

DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

\*Human Nutrition  
2 PE Activity Courses

HEALTH AND WELLNESS: (min 3 qtr/2 sem units)

NUTR 150 (3)  
2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 96 qtr/64 sem units

**\*FOR MS DEGREE ONLY:** Individuals who already have a bachelor's degree from a regionally accredited college or university need to complete only the prerequisites denoted with an asterisk (\*).

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Transfer Patterns for San Diego Mesa College Students

**MAJOR: Entry-Level MOT – Occupational Therapy**

Occupational Therapists work with clients across the lifespan from newborn infants to the elderly. Intervention strategies include therapeutic activities, adaptive equipment and assistive technology to address needs in motor, sensory, cognitive, visual, perceptual, emotional and social. Occupational therapists work in a variety of settings, such as hospitals, schools, mental health centers, home health agencies, nursing homes, ergonomic and corporate settings, private practices, prevention program and community setting such as domestic violence and homeless shelters.

To be eligible for admission, the applicant must have earned a baccalaureate degree at an accredited college or university and have completed the following prerequisites:

**NATURAL SCIENCES:**

Human Anatomy & Physiology w/lab (complete seq)	BIOL 230+235 (complete seq)	(4+4)
Statistics	MATH 119	(3)
Medical Terminology	MEDA 110	(3)

**SOCIAL SCIENCES:**

Human Growth & Development	PSYC 121 <u>or</u> CHIL 101	(3)
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**WORK EXPERIENCE:** A minimum of 40 hours of work/observation experience (volunteer/employee) in an Occupational Therapy Department.

**TEST REQUIREMENT:** None required

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**MAJOR: AS Degree - PHYSICAL THERAPIST ASSISTANT**

The physical therapist assistant is a skilled technical health worker who, under the supervision of a physical therapist, assists in the patients' treatment program. The extent to which the physical therapist assistant is involved in treatment depends upon the policies of the health facility, the supervising therapist, and the patient.

Physical therapist assistants are in demand; graduates have a wide choice of opportunities with MEDICAL GROUPS, HOSPITALS, REHABILITATION CENTERS, OUTPATIENT CLINICS, NATIONAL and STATE AGENCIES, and SCHOOLS OF PHYSICAL THERAPY

**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

**RELIGION:** 4 qtr hrs/yr only if attended SDA College/University

**HUMANITIES:** (4)

Select one from:  
Art/Music (Performing/Applied Art/Music not acceptable)  
Philosophy; History  
Literature; Foreign Language/Amer Sign Lang

**HUMANITIES:** (3)

Select one from:  
ARTF 100; MUSI 100 (Applied Art/Music not acceptable)  
PHIL 100, 102A, 102B, 107; HIST 105, 106, 109, 110  
ENGL 208, 210, 215, 216; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

\*Human Anatomy & Physiology/lab, sequence  
\*Intro Physics/lab, one qtr/sem  
\*2 yrs HS Algebra/C grade or better or Inter Alg in College

**NATURAL SCIENCES:**

BIOL 230+235 (complete seq) (4+4)  
PHYS 100 (4)  
HS or MATH 96 (required/no credit)

**SOCIAL SCIENCES:**

\*General Psychology  
\*Developmental Psychology or Abnormal Psychology

**SOCIAL SCIENCES:**

PSYC 101 (3)  
PSYC 230 or PSYC 245 (3/3)

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
\*Speech

**COMMUNICATION:**

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)

**DOMAIN 4: HEALTH AND WELLNESS:**

Health Education (personal health or nutrition) OR  
2 PE Activity Courses

**HEALTH AND WELLNESS:**

HEAL 101 or NUTR 150 OR (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet minimum total requirements of 48 qtr/32 sem units

**WORK EXPERIENCE:** A minimum of 80 hours work/observation experience (volunteer/employee) in a Physical Therapy Department, 20 hours of which must be in an inpatient setting and 20 hours in an outpatient setting.

\*Individuals who already have a bachelor's degree from a regionally accredited college or university need to complete only the prerequisites denoted with an asterisk (\*).

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MAJOR: Entry-level DPT, no previous bachelor's degree

The Entry-level DPT program is for individuals with no previous degree in Physical Therapy. No Bachelors degree is required. The program is 3 years in length. Applicants must complete all of the following prerequisites courses.

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LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES:

Total of 24 qtr/16 sem credits minimum

RELIGION: 4 qtr hrs/yr (max 12 qtr hrs) only if attended SDA College/University

HUMANITIES:

Must include at least one upper division course  
Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Philosophy; History  
Literature; Foreign Language/Amer Sign Lang  
The department recommends additional electives in this area

HUMANITIES:

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
PHIL 100, 102A, 102B, 107; HIST 105, 106, 109, 110  
ENGL 208, 210, 215, 216; Any Foreign Lang/Amer Sign Lang

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:

NATURAL SCIENCES:

Must include at least one upper division course  
Anatomy & Physiology/lab, seq or Gen Biology/lab, seq  
Select one of the following options:  
Option 1: Gen Chemistry/lab, seq + Intro Physics (6 qtr units)  
Option 2: Gen Physics/lab, seq + 2 conseq terms Chem/lab  
Statistics  
One additional Natural Science course  
Medical Terminology

NATURAL SCIENCES:

BIOL 230+235 (seq) or BIOL 107+215+250 (seq) (8/12)  
CHEM 200+200L+201+201L (seq) + PHYS 100 (10+4)  
PHYS 125+126 (seq) + CHEM 100+100L+130+130L (10+8)  
MATH 119 or STAT course from another dept (3)  
Any additional Natural Science course  
MEDA 110 (3)

SOCIAL SCIENCES:

Must include at least one upper division course  
General Psychology  
Human Growth & Development  
Select additional credits from:  
Psychology; Sociology; Anthropology; Political Science  
The department recommends additional electives in this area

SOCIAL SCIENCES:

PSYC 101 (3)  
PSYC 121 or CHIL 101 (3/3)  
Select additional credits from:  
PSYC; SOCO; ANTH; POLI

DOMAIN 3: COMMUNICATION: (9 qtr/6 sem units minimum)

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech

COMMUNICATION: (9 qtr/6 sem units minimum)

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)

DOMAIN 4: HEALTH AND WELLNESS:

Health Education (personal health or nutrition)  
2 PE Activity Courses  
The department recommends additional electives in this area.

HEALTH AND WELLNESS:

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet a minimum total requirements of 138 qtr/92 sem units. Students must have a minimum of 18 qtr/12 sem units of upper division course work. Maximum of 105 qtr/70 sem units transfer from junior/community colleges.

WORK EXPERIENCE: Eighty work/observation hours under the supervision of a physical therapist are required. Of the eighty hours, twenty hours must be in an inpatient setting and twenty hours must be in an outpatient setting.

TEST REQUIREMENT: None required

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: [www.ptcas.org](http://www.ptcas.org)

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Transfer Patterns for San Diego Mesa College Students

**MAJOR:** Entry-Level DPT with previous bachelor's degree - Physical Therapy

The **ENTRY-LEVEL DOCTORATE** program is for individuals who have an earned Bachelor's degree from an accredited college or university. These students will not receive a Bachelor's degree in Life Science from Loma Linda University. This group does not need to meet the General Education requirements outlined in the five Domains for the BS/DPT Track students, but they do need to have the following prerequisites to be eligible for entrance into the Doctorate program:

**NATURAL SCIENCES:**

Human Anatomy & Physiology with lab, complete sequence (preferred) or General Biology with lab, complete sequence

Select from one of the following options:

Option 1: General Chemistry with lab, complete sequence + Intro Physics with lab, minimum of 6 qtr units

Option 2: General Physics with lab, complete sequence + a min of 2 academic terms of any sequenced Chemistry with lab

One additional Natural Science course

Statistics

Medical Terminology

**SOCIAL SCIENCES:**

General Psychology (substitute courses may be approved by the Chairman of the Department)

Human Growth & Development

**COMMUNICATION:**

Speech

**WORK EXPERIENCE:** A minimum of 80 hours of work/observation experience (volunteer/employee) in a Physical Therapy Department, 20 hours of which must be in an inpatient setting and 20 hours in an outpatient setting.

**TEST REQUIREMENT:** None required

**PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT**

To apply online log onto: [www.ptcas.org](http://www.ptcas.org)

LOMA LINDA UNIVERSITY  
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Transfer Patterns for San Diego Mesa College Students

MAJOR: Orthotics and Prosthetics – MS

The Entry-level MSOP program is for individuals with no previous degree in Orthotics & Prosthetics. No Bachelors degree is required and the program is 10 quarters in length. Applicants must complete all of the following prerequisites courses.

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LOMA LINDA UNIVERSITY REQUIREMENTS:

MESA COURSE EQUIVALENCIES:

DOMAIN 1: RELIGION AND HUMANITIES:

Total of 20 qtr/14 sem credits minimum

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

HUMANITIES:

Select from at least 3 subject areas:  
History (required)  
Select additional units from:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
Foreign Language/American Sign Language  
The department recommends additional electives in this area.

HUMANITIES:

Select from at least 3 subject areas:  
HIST 105, 106, 109, 110  
Select additional units from:  
ARTF 100; MUSI 100 (Applied Art/Mus 2 sem hr max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
Any Foreign Language/American Sign Language

DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:

NATURAL SCIENCES:

\*Anatomy & Physiology/lab, seq or Gen Biology/lab, seq  
\*Intro or General Chemistry/lab, seq  
\*Intro or General Physics/lab (one course w/lab)  
\*Statistics

NATURAL SCIENCES:

BIOL 230+235 (seq) or BIOL 107+215+250 (seq) (8/12)  
CHEM 100/L+130/L (seq) or CHEM 200/L+201/L (seq) (8/10)  
PHYS 100 or PHYS 125 (4/5)  
MATH 119 or STAT course from another dept (3)

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

General Psychology (required)  
\*Growth & Development or Abnormal Psychology (required)  
Select additional credits from:  
Psychology; Sociology; Anthropology; Political Science  
The department recommends additional electives in this area.

SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)

PSYC 101 (3)  
PSYC 121, CHIL 101 or PSYC 245 (3)  
Select additional credits from:  
PSYC; SOCO; ANTH; POLI

DOMAIN 3: COMMUNICATION:

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech

COMMUNICATION:

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)

DOMAIN 4: HEALTH AND WELLNESS:

2 PE Activity Courses  
The department recommends additional electives in this area.

HEALTH AND WELLNESS:

2 PE Activity Courses (2)

DOMAIN 5: ELECTIVES: To meet a minimum total requirements of 96 qtr/64 sem units. Maximum of 105 qtr/70 sem units transfer from junior/community colleges.

WORK EXPERIENCE: Eighty work/observation hours under the supervision of a CPO practitioner are required.

TEST REQUIREMENT: None required

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply: Call Hans Schaepper at (909) 720-1201 to get directions.

\*Individuals who have received a bachelor's degree from a regionally accredited college or university need to complete only the prerequisites denoted with an asterisk (\*).

LOMA LINDA UNIVERSITY  
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Transfer Patterns for San Diego Mesa College Students

**ADDITIONAL POST PROFESSIONAL PHYSICAL THERAPY PROGRAMS**

**POST PROFESSIONAL MASTER OF PHYSICAL THERAPY:** BSPT graduates may proceed directly into the PPMP program.

**POST PROFESSIONAL MASTER OF ORTHOTICS AND PROSTHETICS:** to be eligible for admission, the applicant must have earned a baccalaureate degree in orthotics and prosthetics or a baccalaureate degree in any major and orthotics or prosthetics certificate degree from an accredited college or university.

**POST PROFESSIONAL DOCTOR OF PHYSICAL THERAPY:** MPT graduates may proceed directly into the 45 unit track. Others with a BS in physical therapy may proceed directly to the 65 unit track. Please call our office for more information.

**DOCTOR OF SCIENCE IN PHYSICAL THERAPY:** MPT graduates may proceed directly into the Doctor of Science in Physical Therapy program. Others with a BS in physical therapy will need a master's degree before entering the doctoral program. Please call our office for more information.

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: <http://www.llu.edu/apply/>

LOMA LINDA UNIVERSITY  
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Transfer Patterns for San Diego Mesa College Students

MAJOR: MEDICAL RADIOGRAPHY, A.S.

Loma Linda University offers a number of programs that prepare personnel to assist the specialized physician in obtaining anatomical and physiological images of the body or in treating diseases by the use of various types of radiation. The graduate can find employment in HOSPITALS, MEDICAL & PHYSICIANS' OFFICES & CLINICS, PUBLIC HEALTH AGENCIES, INDUSTRY, and ARMED FORCES.

Programs exist in the following areas: MEDICAL RADIOGRAPHY (AS degree), RADIATION TECHNOLOGY (BS degree) and CERTIFICATES in MEDICAL SONOGRAPHY, NUCLEAR MEDICINE TECHNOLOGY, RADIATION THERAPY TECHNOLOGY, and SPECIAL IMAGING TECHNOLOGY.

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**MEDICAL RADIOGRAPHY - AS Degree**

This program is recommended for the student wishing to become a staff x-ray technologist in a diagnostic radiography department, assisting in fluoroscopic examinations, diagnostic tests, and specialized operating room procedures.

**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

RELIGION: 4 qtr hrs/yr only if attended SDA College/University

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

Human Anatomy & Physiology/lab, sequence  
Intro Physics/lab or Intro Chemistry/lab (college or HS)  
Medical Terminology  
2 yrs HS Algebra/C grade or better or Inter Alg in College

**NATURAL SCIENCES:**

BIOL 230+235 (complete seq) (4+4)  
PHYS 100 or CHEM 100/L+130/L or HS Chemistry (4/8/0)  
MEDA 110 (3)  
HS or MATH 96 (required/no credit)

**SOCIAL SCIENCE:**

General Psychology or Sociology

**SOCIAL SCIENCE:**

PSYC 101 or SOCO 101 (3/3)

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech  
Computer (College or HS)

**COMMUNICATION:**

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)  
CISC 150 or HS computer (3/0)

DOMAIN 4: Not required for A.S. degree.

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 42 qtr/28 sem units

WORK EXPERIENCE: 12 hours minimum work/observation experience (volunteer/employee) in a Radiology Department.

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: <http://www.llu.edu/apply/>

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
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Transfer Patterns for San Diego Mesa College Students

**MAJOR: RADIATION SCIENCES, B.S. (FOR IMAGING PROFESSIONALS)-ONLINE PROGRAM**

The Bachelor of Science in Radiation Sciences (BSRS) degree is a degree that provides the Imaging Professional with the foundational skills necessary to advance within the profession. Advancement into areas such as: management, supervisor, lead technologist, PACS manager, entry-level radiography instructor, and radiologist assistant can be obtained more readily when completing this advanced degree.

Students transferring into LLU must have certification from the American Registry of Radiologic Technologists (ARRT), or its equivalent. A maximum of 105 quarter/70 semester units from an accredited junior college will be accepted, including units for clinical training. If the maximum transfer units have been reached, any other General Education units required will need to be taken from a senior college or university. At completion of the program students must have a total of 192 qtr units, inclusive of Core BSRS courses, area of emphasis and elective units.

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**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

Total of 20 qtr/14 sem units minimum in Domain 1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least 3 subject areas:

Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

**HUMANITIES:**

Select from at least 3 subject areas:

ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS: (min 12 qtr/6 sem TOTAL from at least 2 areas)**

**NATURAL SCIENCES MINIMUM GEN ED:**

Anatomy & Physiology/lab, 1 qtr/sem  
2 yrs HS Algebra/C grade or better or Inter Alg in college  
Select additional from:  
Chemistry; Mathematics; Physics

**NATURAL SCIENCES MINIMUM GEN ED:**

BIOL 230, 235 (4)  
HS or MATH 96 (required/no credit)  
Select additional from:  
CHEM; MATH; PHYS

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Select units from:  
Psychology; Sociology  
Anthropology; Political Science

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Select units from:  
PSYC 101, 111, 121; SOCO 101, 110  
ANTH 102, 103, 107; POLI 101, 102, 103

**DOMAIN 3: COMMUNICATION: (min 9 qtr/6 sem units)**

Freshman English, complete seq (req) (CLEP NOT ACCEPTED)  
If needed, select additional units from:  
Speech or Computer

**COMMUNICATION: (min 9 qtr/6 sem units)**

ENGL 101+105 (3+3)  
If needed, select additional units from:  
SPEE 103, 135 or CISC 150 (3/3)

**DOMAIN 4: HEALTH AND WELLNESS (min 3 qtr/2 sem units)**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS (min 3 qtr/2 sem units)**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet the minimum at completion of the program students must have a total of 192 qtr units, inclusive of Core BSRS courses, area of emphasis and elective units.

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

**RADIATION SCIENCES, M.S. ONLINE PROGRAM** - Applicants must have a 3.0 undergrad GPA, Certified by National Certifying body in Diagnostic Imaging (i.e. ARRT, ARDMS, NMTCB), copy of current professional license, official transcripts, resume, 3 letters of reference, telephone interview, and a 2-3 page essay describing: personal and professional skills and accomplishments, interests, career goals and how the MSRS will help to achieve these goals.  
For Information call (909) 558-4931.

To apply online log onto: <http://www.llu.edu/apply/>

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Transfer Patterns for San Diego Mesa College Students

**MAJOR: RADIOLOGIST ASSISTANT M.S. R.S. (ENTER WITH A BA/BS DEGREE)**

The radiologist assistant (RA) is an advanced clinical role for an ARRT certified medical radiographer. The RA enhances patient care by extending the capacity of the radiologist in the diagnostic imaging environment. With radiologist supervision, the radiologist assistant performs patient assessment, patient management, fluoroscopy and other radiology procedures. The radiologist assistant also makes initial observations of diagnostic images, but does not provide an official interpretation.

The student will receive didactic and clinical mentoring in neonatal, pediatric, adult and geriatric populations. Courses will be a mix of discussion, projects, case studies and web-based learning. Students are responsible for finding their own clinical site and radiologist mentor. This is an online/blended program. Students need to be on campus for one day in the first Autumn Quarter, the first Winter and Spring Quarters and the final Spring Quarter. The rest of the time, coursework is taken online within Loma Linda University's web-enhanced learning environment.

Students can enter the online/blended Radiologist Assistant program with a Bachelor's degree from a regionally accredited institution. The Bachelor's degree can either be a Bachelor of Administration or a Bachelor of Science. The degree must be posted, and the transcript received, in order for the student to begin coursework in the fall.

**PREREQUISITES:**

- Graduate of an accredited medical radiography (x-ray) program
- ARRT (R) certified, and in good standing
- Current CPR certification (must complete ACLS certification prior to applying for boards)
- Two-years, full time experience (post-medical radiography licensure)
- Course in Statistics (within the past 5 years)
- Course in Research Methods (within the past 5 years)

The application window is open from January 1 to June 1 of each year, and the entire application process is completed online. The program starts once a year, in late September (fall quarter). The program is seven quarters long, which is just shy of two years. Students are required to come to the Loma Linda University campus for a one day program orientation, which is usually during the first week in September.

To apply online log onto: <http://www.llu.edu/apply/>

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Transfer Patterns for San Diego Mesa College Students

**MAJOR: HEALTHCARE ADMINISTRATION, B.S. (ONLINE)**

Healthcare administration is a broad-based discipline. The BSHA program prepares individuals to support healthcare professionals such as clinicians, researchers, and executives in settings such as assisted living and skilled nursing facilities; rehabilitation centers; private, public, and proprietary clinics; and medical centers.

The online Bachelor of Science in Healthcare Administration (BSHA) program educates students to competently function as Healthcare Administrators in the various healthcare environments. Healthcare administrators are the backbone of the medical professions. They ensure that health professionals have the tools, supplies, and working environment necessary to properly care for their patients, community members, and other populations.

The BSHA program was designed to meet the needs of the adult learner or working professional that has already taken previous coursework to complete a Bachelor's degree or has earned an Associate's degree at an accredited college or university. The BSHA program was designed as an online program to meet the needs of our students with full-time employment and hectic schedules. We provide the opportunity for students to visit the Loma Linda University (LLU) campus twice during the program, once for orientation and upon graduation. The BSHA program commences annually summer quarter. Applications must be submitted by April 1st of the year of desired acceptance.

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**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

Total of 20 qtr/14 sem units minimum in Domain1

RELIGION: 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

**HUMANITIES:**

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS: (min 12 qtr/8 sem TOTAL from at least 2 areas)**

**NATURAL SCIENCES MINIMUM GEN ED**

Anatomy & Physiology/lab, 1 qtr/sem  
Medical Terminology  
2 years HS Algebra/C grade or better or Inter Alg in college  
Select additional from:  
Chemistry; Mathematics; Physics; Astronomy; Geology

**NATURAL SCIENCES MINIMUM GEN ED:**

BIOL 230, 235 (4)  
MEDA 110 (3)  
HS or MAT 96  
Select additional from:  
CHEM 200; MATH 119; PHYS 100; ASTR 101; GEOL 100

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Select units from:  
Psychology; Sociology; Anthropology  
Political Science; Economics

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Select units from:  
PSYC 101, 111, 121; SOCO 101, 110; ANTH 102, 103, 107  
POLI 101, 102, 103; ECON 120, 121

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech  
Computer (College or High School)

**COMMUNICATION:**

ENGL 101+ 105 (3+3)  
SPEE 103 or 135 (3/3)  
CISC 150 or HS computer (3/0)

**DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet the minimum at completion of the program students must have a total of 192 qtr units, inclusive of Core BSHA courses and elective units.

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

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**MAJOR: CERTIFICATE PROGRAMS IN RADIATION TECHNOLOGY**

Certificate programs are 3, 9 or 12 months (Medical Sonography two years) in length and cover the study of the principles and procedures and allow participation, under close supervision, in the clinical practice of the respective area.

**MEDICAL DOSIMETRY:** Dosimetrists plan optimal isodose distributions and treatment dose calculations for a variety of external beam and brachytherapy treatments. (For ARRT candidates the course will be 5 quarters in length. For BS candidates it will be 5 quarters long.). Students will either need to have: 1) ARRT registration in Radiation Therapy Technology with a minimum of two years post graduation clinical experience and College Algebra and Trigonometry (within last three years) or 2) A baccalaureate degree in physics from an accredited university. Prerequisites: Anatomy and Physiology, Medical Terminology.

**DIAGNOSTIC MEDICAL SONOGRAPHY/ECHOCARDIOGRAPHY:** The Diagnostic Medical Sonographer, Ultrasound Technologist or Echocardiographer assists physicians in the use of high-frequency sound waves to obtain images of internal structure and body organs and in the examination of patients for physical anomalies or disease processes. Program begins in September and runs for either 12 months or two years. For each track, you will need to have completed any one of the following: 1) any two-year Allied Health degree, 2) Any A.S or A.A degree (science area preferred), or 3) Any Bachelor of Science degree. Prerequisites: Anatomy and Physiology with lab (sequence), Medical Terminology, College Algebra (within last five years), Introductory Physics and Patient Care Methods. Prerequisites must be taken within the last five years with a grade 'C' or higher. Applicants must also complete 8 hours of observation (volunteer/employee) in an Ultrasound department.

**NUCLEAR MEDICINE TECHNOLOGY:** The nuclear medicine technologist assists the physician in the use of radioactive tracers within the body to examine organ function and structure. Tasks include calibration of radiation detection equipment, measurement of radioactive tracers, and mathematical calculations to determine test results. Program begins in September and runs 12 months. To be eligible for admissions to the certificate program in nuclear medicine the applicant must meet one of the following requirements: 1) Be a graduate of an accredited radiologic technology program, 2) An ARRT registered radiologic technologist, 3) An ASCP certified medical technologist, 4) Be a registered nurse with at least a 2-year degree (AS degree), or 5) Have a 4-year baccalaureate degree in one of the natural sciences. Prerequisites: Human Anatomy and Physiology (complete sequence with lab), Intermediate Algebra (college or 2 years in high school, with grade C or above), Intro Chemistry/lab or General Chemistry/lab (one semester or one quarter), General Physics (highly recommended), Medical Terminology, and Patient Care Methods. Applicants must also have certification in CPR, Venipuncture and ECG/EKG Interpretation prior to start of the program, and complete at least 24 hours of career observation in a Nuclear Medicine Department.

**RADIATION THERAPY TECHNOLOGY:** The radiation therapist works closely with the physician in determining the proper methods of using radiation to treat various disease states. Responsibilities include maintaining accurate treatment records, and following prescribed treatment plans to ensure proper patient care. Program begins in September and runs 15 months. The applicant must fulfill one of the following requirements: 1) Be an ARRT registered radiologic technologist and/or graduate of an accredited radiologic technology program and have college credits in: College Algebra (taken within 3 years), Human A & P/lab (complete sequence), Radiation Protection, Patient Care Methods, Radiation Physics, current CPR certification and General Psychology or 2) Be a registered nurse or graduate of an accredited Allied Health program (2 years minimum training) and have college credits in: College Algebra (taken within 3 years) , Human Anatomy & Physiology with lab (complete sequence), Medical Terminology, Patient Care Methods, Radiation Physics, Radiation Protection, Principles of Radiology, General Psychology, CPR Certification and complete a minimum 40 hours of career observation in Radiation Oncology Department.

**COMPUTED TOMOGRAPHY & MAGNETIC RESONANCE IMAGING:** The computed tomography and magnetic resonance imaging technologist works in a highly specialized field operating sophisticated computerized tomography equipment. This technology provides detailed cross-sectional images of the human body, assisting physicians with quality patient diagnosis and treatment. To be eligible for admissions to the certificate program in CT/MRI, applicants must meet the following requirements: current ARRT & CRT license, current CPR card, a minimum GPA of 2.5, and complete 8 hours of observation in a CT department and 8 hours of observation in a MRI department. The CT track begins in Fall quarter. The MRI track begins in Winter quarter. The combined 9 month program begins in Fall quarter.

**IMAGING INFORMATICS:** The purpose of the program is to enable the learners to function as PACS Administrators (Picture Archiving Computer Systems). Applicants must be certified by the ARRT in Diagnostic Radiography. In addition applicants must have at least 2 years of experience with CR (computed radiography) or DR (direct radiography) or take a prerequisite CR/DR course (available online at LLU).

**RADIOGRAPHY ADVANCED PLACEMENT:** Advanced Placement programs in Radiologic Technology have been developed to accommodate the needs of former Radiologic Technology students in their quest for eligibility to take the American Registry of Radiologic Technologists (ARRT) Radiography examination. The ARRT distinguishes four types of students eligible for Advanced Placement Programs. One type of student is one that is no longer eligible under ARRT's five-year rule. A second type of student is one that is no longer eligible under ARRT's three-attempt, three-year rule. A third type of student is one that received their professional education in a country without an accreditation mechanism that was recognized by the ARRT at the time of program completion. The final type of student is one that may have already completed one or more of another program's didactic and/or clinical competency requirements.

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

For more information call (909) 558-4931 or 1-800-422-4558 or visit <http://www.llu.edu/llu/academics/catalog.html>

To apply online log onto: <http://www.llu.edu/apply/>

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**MAJOR: RESPIRATORY CARE, BS**

The 2-year, upper division program leading to the Bachelor of Science degree is a sequence of additional professional course work intended to prepare respiratory therapists for positions in education, management, or science. Course work in the science emphasis may be applied toward meeting the entrance requirements for dentistry and medicine. Those electing to study on a part-time basis must complete the junior and senior years within a 4-year period.

**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:** Total of 20 qtr/14 sem units minimum in Domain 1

**RELIGION:** 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

**HUMANITIES:**

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

A&P/lab, seq (preferred) or General Biology  
Intro or General Chemistry/lab, complete seq  
Microbiology/lab  
Intro Physics, one qtr or HS Physics  
2 yrs HS Algebra/C grade or better or Inter Alg in College

**NATURAL SCIENCES:**

BIOL 230+235 (seq) or BIOL 107+215+250 (seq) (8/12)  
CHEM 100/L+130/L or CHEM 200/L+201/L (8/10)  
BIOL 205 (5)  
PHYS 100 or HS Physics (4/0)  
HS or MATH 96 (required/no credit)

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Cultural Diversity (required)  
Psychology (required)  
Select additional from:  
Anthropology; Sociology; Psychology  
Political Science; Economics; Geography

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

ANTH 103 (required) (3)  
PSYC 101 (3)  
Select additional from:  
ATNTH 102, 107; SOCO 101, 110; PSYC 111, 121  
POLI 101, 102, 103; ECON 120, 121; GEOG 101, 102

**DOMAIN 3: COMMUNICATION: (min 3 qtr/2 sem units)**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Speech  
Computer (college or high school)

**COMMUNICATION: (min 3 qtr/2 sem units)**

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)  
CISC 150 or HS Computer (3/0)

**DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet minimum total requirements of 82 qtr/55 sem units

**PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT**

MSRC –The Master of Science Respiratory Care Program is a fully online and face to face degree especially designed for the individuals who are registered respiratory therapists and are looking to advance their knowledge and training with a focus on evidence-based research. This unique program will assist in the development of Respiratory Care Practitioners in the areas of education, research, advance respiratory care science, clinical skills and leadership development. For additional information call (909) 558-4932 or email [Studycardio@llu.edu](mailto:Studycardio@llu.edu)

To apply online log onto: <http://www.llu.edu/apply/>

LOMA LINDA UNIVERSITY  
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Transfer Patterns for San Diego Mesa College Students

**MAJOR: RESPIRATORY CARE, BS (ADVANCED PRACTITIONER)**

**BACHELOR OF SCIENCE:** After completing an Associate in Science degree in respiratory care, from a COARC approved program or the equivalent, the student may continue studies toward the Bachelor of Science degree, completing a computer course and the general studies requirements as outlined below. Students transferring in with an A.S. in Respiratory Therapy need to know that a maximum of 105 qtr/70 sem units only will transfer to LLU. If the maximum transfer units have been reached, any other General Ed units required will need to be taken from a senior college or university. Total of 192 qtr units at completion of the program.

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**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

Total of 20 qtr/14 sem units minimum in Domain 1

**RELIGION:** 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least 3 subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

**HUMANITIES:**

Select from at least 3 subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

A&P/lab, seq (preferred) or Gen Biology or Zoology, seq  
Intro or General Chemistry/lab, complete seq  
Microbiology/lab  
Intro Physics/lab, one qtr or HS Physics  
2 yrs HS Algebra/C grade or better or Inter Alg in College

**NATURAL SCIENCES:**

BIOL 230+235 (seq) or BIOL 107+215+250 (seq) (8/12)  
CHEM 100/L+130/L or CHEM 200/L+201/L (8/10)  
BIOL 205 (5)  
PHYS 100 or HS Physics (4/0)  
HS or MATH 96 (required/no credit)

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

Cultural Diversity  
General Psychology or Sociology  
Select additional from:  
Anthropology; Sociology; Psychology  
Political Sciences; Economics; Geography

**SOCIAL SCIENCES: (2 areas, 12 qtr/8 sem units min)**

ANTH 103 (required) (3)  
PSYC 101 or SOCO 101 (3)  
Select additional from:  
ANTH 102, 107; SOCO 101, 110; PSYC 101, 111, 121  
POLI 101, 102, 103; ECON 120, 121; GEOG 101, 102

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (required)  
Speech (required)  
Computers (required)

**COMMUNICATION:**

ENGL 101+105 (3+3)  
SPEE 103 or 135 (3/3)  
CISC 150 (3)

**DOMAIN 4: HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS: (min 3 qtr/2 sem units)**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet minimum total requirements of 96 qtr/64 sem units

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: <http://www.llu.edu/apply/>

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
2013-2014

Transfer Patterns for San Diego Mesa College Students

**MAJOR: B.S. Degree - EMERGENCY MEDICAL CARE/CARDIOPULMONARY SCIENCES**

The B.S. in Emergency Medical Care is a post-professional degree program designed for those with prior experience in Emergency Medical Services, Respiratory Therapy or Nursing. The degree is designed to expand the clinical knowledge of pre-hospital care providers and offer them an educational foundation from which to pursue leadership career roles in emergency services systems.

The 2-year upper division program in Emergency Medical Care allows the health professional to progress within his/her chosen profession to positions in clinical specialist, education and management. Students who wish to continue their education may also apply this degree, with additional coursework, to meet pre-physician assistant, pre-medical, or graduate school entry requirements.

This is a unique degree for pre-hospital and emergency medical care providers because of the program's emphasis on the physiological and clinical aspects of care of the patient in the emergency medical system.

To be eligible for the junior year of this program, the student must (a) be an EMT, EMT-paramedic, R.N. or respiratory therapist; (b) complete the subject requirements listed as prerequisites; (c) arrange for an interview.

**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

Total of 20 qtr/14 sem units minimum in Domain 1

**RELIGION:** 4 qtr hrs/yr (max 8 qtr hrs) only if attended SDA College/University

**HUMANITIES:**

Select from at least **3** subject areas:  
Art/Music (Performing Arts limited to 4 qtr hrs)  
Literature; Philosophy  
History; Foreign Language/Amer Sign Lang

**HUMANITIES:**

Select from at least **3** subject areas:  
ARTF 100; MUSI 100 (Applied Art/Music 2 sem hrs max)  
ENGL 208, 210, 215, 216; PHIL 100, 102A, 102B, 107  
HIST 105, 106, 109, 110; Any Foreign Lang/Amer Sign Lang

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

Human A&P/lab, complete sequence  
Microbiology  
Intro Chemistry/lab, one qtr/sem  
Intro Physics/lab, one qtr  
College Algebra

**NATURAL SCIENCES:**

BIOL 230+235 (seq) (4+4)  
BIOL 205 (5)  
CHEM 100+100L (4)  
PHYS 100 (4)  
MATH 116 (3)

**SOCIAL SCIENCE: (2 areas, 12 qtr/8 sem units min)**

Cultural Diversity  
General Psychology  
Select additional from:  
Anthropology; Sociology; Psychology  
Political Science; Economics; Geography

**SOCIAL SCIENCE: (2 areas, 12 qtr/8 sem units min)**

ANTH 103 (3)  
PSYC 101 (3)  
Select additional from:  
ANTH 102, 107; SOCO 101, 110; PSYC 111, 121  
POLI 101, 102, 103; ECON 120, 121; GEOG 101, 102

**DOMAIN 3: COMMUNICATION: (min 9 qtr/6 sem units)**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
If needed, select from:  
Speech or Computers

**COMMUNICATION: (min 9 qtr/6 sem units)**

ENGL 101+105 (3+3)  
If needed, select from:  
SPEE 103, 135 or CISC 150 (3/3)

**DOMAIN 4: HEALTH AND WELLNESS (min 3 qtr/2 sem units)**

Health Education (personal health or nutrition)  
2 PE Activity Courses

**HEALTH AND WELLNESS (min 3 qtr/2 sem units)**

HEAL 101 or NUTR 150 (3/3)  
2 PE Activity Courses (2)

**DOMAIN 5: ELECTIVES:** To meet minimum total requirements of 96 qtr/64 sem units

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

For Pre PA & Pre MED-Make appointment to meet with advisor at (909) 558-7076.

To apply online log onto: <http://www.llu.edu/apply/>

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
2013-2014

Transfer Patterns for San Diego Mesa College Students

**MAJOR: Cardiac Electrophysiology Technology – AS**

Electrophysiology is a subspecialty of cardiology that focuses on treating heart rhythm abnormalities. The Cardiac Electrophysiology Technologist will assist the Cardiologist during invasive procedures, including implantable cardioverter defibrillator (ICD) and cardiac resynchronization therapy device implantations.

We offer an Associate Track and Certificate Track for this program which are 12 months in length. The AS degree is face to face with some online coursework, while the Certificate program is primarily online with a few face to face visits to the LLU campus. The Certificate Track is only available to applicants with a prior healthcare background.

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**Cardiac Electrophysiology Technology - AS Degree/Certificate**

**LOMA LINDA UNIVERSITY REQUIREMENTS:**

**MESA COURSE EQUIVALENCIES:**

**DOMAIN 1: RELIGION AND HUMANITIES:**

RELIGION 4 qtr hrs/yr only if attended SDA College/University

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS:**

**NATURAL SCIENCES:**

Human Anatomy & Physiology/lab, sequence  
Intro Chemistry  
Intro Physics/lab or high school physics  
Medical Terminology  
2 yrs HS Algebra/C grade or better or Inter Alg in College

**NATURAL SCIENCES:**

BIOL 230+235 (complete seq) (4+4)  
CHEM 100 (4)  
PHYS 100 or HS physics (4/0)  
MEDA 110 (3)  
HS or MATH 96 (required/no credit)

**SOCIAL SCIENCE:**

General Psychology or Sociology or Cultural Anthropology

**SOCIAL SCIENCE:**

PSYC 101 or SOCO 101 or ANTH 103 (3)

**DOMAIN 3: COMMUNICATION:**

Freshman English, complete sequence (CLEP NOT ACCEPTED)  
Computer (college or HS)

**COMMUNICATION:**

ENGL 101+105 (3+3)  
CISC 150 or HS computer (3/0)

DOMAIN 4: Not required for A.S. degree.

DOMAIN 5: ELECTIVES: To meet minimum total requirements of 51 qtr/34 sem units (with a GPA of 2.4 or higher)

WORK EXPERIENCE: Observation hours in a CEP department (minimum of 2 exams observed).

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

To apply online log onto: <http://www.llu.edu/apply/>

\*CARDIAC ELECTROPHYSIOLOGY TECHNOLOGY – CERTIFICATE: The Certificate Track is only available to applicants with a prior healthcare background.

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
2013-2014

Transfer Patterns for San Diego Mesa College Students

MAJOR: M.P.A. Degree - PHYSICIAN ASSISTANT

The Physician Assistant profession had its inception in the mid-1960's. Since then Physician Assistants have become valuable, and essential health care professionals. They are highly trained members of a health team, who are academically and clinically prepared to provide health care services. They work under the supervision of a Physician, and they provide diagnostic, therapeutic, preventive, and health maintenance services.

Physician Assistants work mainly as primary care providers. They are, however, not limited to this area of health care, for they function in many of the medical specialties. Physician Assistants are trained to deal with many medical emergencies. They also function as first or second assistants in major surgery, and provide pre- and post-operative care. Some Physician Assistants may also carry out managerial duties.

The number of employment opportunities for Physician Assistants continues to grow.

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A baccalaureate degree from an accredited institution, PLUS at least 2,000 hours of hands-on patient care experience.

MINIMUM OVERALL GPA: 3.0 and MINIMUM SCIENCE GPA: 3.0

PLEASE NOTE THAT C MINUS (C-) GRADES ARE NOT TRANSFERABLE FOR CREDIT

LOMA LINDA UNIVERSITY REQUIREMENTS:

One year of General Chemistry/lab, seq OR  
Sequence of inorganic, organic and biochemistry w/lab  
College Algebra or Equivalent  
English Composition (CLEP NOT ACCEPTED)  
Human Anatomy & Physiology/lab, complete sequence  
Microbiology/lab  
Sociology or Cultural Anthropology or equivalent  
General Psychology or equivalent

MESA COURSE EQUIVALENCIES:

CHEM 200+200L+201+201L (sequence) (10)  
CHEM 231+231L+233+233L (sequence) (10)  
MATH 116 (3)  
ENGL 101+105 (complete seq) (3+3)  
BIOL 230+235 (complete seq) (4+4)  
BIOL 205 (5)  
SOCO 101 or ANTH 103 (3/3)  
PSYC 101 (3)

RECOMMENDED: Statistics, Medical Terminology, Computer Literacy

\*To apply for the Physician Assistant, M.P.A. degree program, go to [caspaonline.org](http://caspaonline.org).

LOMA LINDA UNIVERSITY  
SCHOOL OF ALLIED HEALTH PROFESSIONS  
2013-2014

Transfer Patterns for San Diego Mesa College Students

**MAJOR: Ph.D. Degree- REHABILITATION SCIENCE**

The School of Allied Health Professions offers the Doctor of Philosophy degree in rehabilitation science. The degree program by design is inclusive of the many rehabilitation professions; and offers opportunities for qualified clinical professionals in allied health to prepare for careers in independent research, teaching, and administration. It is the goal of this program to prepare graduates who will:

- provide vision and direction for the integration of the rehabilitation professions;
- commit themselves to whole-person care;
- advance the theory and practice of rehabilitation science through research;
- acquire and integrate knowledge related to the social and basic medical sciences; and
- assess, develop, and implement interdisciplinary community-based services.

**Admission**

Applicants must meet the following minimum requirement:

- Bachelor's or master's degree in any allied health profession area or discipline related to rehabilitation science, with a minimum G.P.A. of 3.0 in academic and professional course work.

Prospective students are required to submit the following:

1. A formal letter of support from a primary research faculty member whose research interests and availability most closely match those of the applicant. The program director will coordinate meetings between applicants and prospective research faculty.
2. Curriculum vitae, including work history, formal education, continuing education, licensure or certification, professional organizations, honors, awards, publications, presentations, and grants.
3. At least one example of written work (e.g., term paper, course assignment, publications, master's degree research project or thesis).

**Requirements**

A minimum of 114 units beyond the bachelor's degree is required for students holding a master's or doctoral degree in a professional area; up to 45 graduate level quarter units taken in completion of the professional degree may be applicable to the Doctor of Philosophy degree. Application of these credits to the Doctor of Philosophy degree must be reviewed by the School of Allied Health Professions Doctor of Philosophy in Rehabilitation Science Committee prior to submission to the Faculty of Graduate Studies for approval. The student's program course work for the degree must be approved by the Doctor of Philosophy in Rehabilitation Science Committee.

To apply online log onto: <http://www.llu.edu/apply/>

PLEASE NOTE THAT GRADES MUST BE "B" OR BETTER FOR TRANSFERABLE CREDIT