Fall 2014

CLARION UNIVERSITY OF PENNSYLVANIA

Degree: Bachelor of Science in Medical Imaging Sciences
Concentration in Medical Dosimetry

Name: 
TRANSFER: 
Clarion Student ID # 
Entrance Date 
Program Entry Date 
Major: 
MINOR: 
ADVISOR: 
Concentration: Medical Dosimetry

GENERAL EDUCATION REQUIREMENTS - 48 CREDITS

Please refer to the approved list of Gen. Ed. courses that appear in the newspaper schedule.

I. LIBERAL EDUCATION SKILLS - 12 CREDITS CR. GR.
A. English Composition (3-6 credits)
ENG 111 Writing II 3
B. Mathematics Competency (3 credits)
MATH 221 Elem. Applied Stats 3
C. Credits to Total 12 in Category I, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, & Speech Communication.
MATH 110 Inter Algebra 3
AH 101 Medical Terminology 3

II. LIBERAL KNOWLEDGE - 27 CREDITS
A. Physical and Biological Sciences (9 credits) selected from at least two of the following
BIOL 111 Basic Biology 3
BIOL 224 Human Biology 3
PHSC 117 Explorer of Phy Science 3
B. Social and Behavioral Sciences (9 credits) selected from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Psychology, Social Work, Sociology, and Women’s Studies.

C. Arts and Humanities (9 credits) selected from at least two of the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Speech and Theater.

III. HEALTH AND PERSONAL PERFORMANCE - 3 CREDITS
A. Health and Wellness (2 credits)
HPE 111 Health Education 2
B. Personal Performance (1 courses and 1 credits)
HPE 1

IV. GEN. ED. ELECTIVES - CREDITS TO TOTAL 48 FROM GEN. ED excluding credits in Radiologic Science. Up to 1 credit from III.B. allowed.
CHEM 145 Chem for Allied Health I 3

V. REQUIREMENTS IN MAJOR 60 credits

A. AH 201 Intro to Health Care Environment 2
AH 301 Research Methods for Health Sci 3
AH 401 Human Leadership Capstone Course 3
B. CLINICAL LAB OR EQUIVALENT COURSE WORK* (to total 60 Credits between Categories A & B)
Medd 301 Med Dosimetry Treatment Planning 1-12
Medd 302 Med Dosimetry Dosage Calc Methods 1-12
Medd 303 Med Dosimetry Patient Care & Ed 1-6
 Medd 401 Med Dosimetry Radiation Physics 1-12
Medd 402 Med Dosimetry App to Rad Oncology 1-12
Medd 403 Med Dosimetry Radiation Protections 1-6

*Equivalent Course Work: COOP 388, COOP 480, NURS 320, NURS 335, NURS 347, NURS 365, NURS 368

VI. FREE ELECTIVES - General Education, Medical Imaging Sciences Major, and Other Required Courses to total at least 120 credits

Other Required Courses:
CHEM 145: Chemistry for Allied Health Sciences I, 3 cr (IV)
CHEM 146: Chemistry for Allied Health Sciences II, 3 cr (IV)

Recommended Courses:
PSY 211: General Psychology (II.B.)
CMST 113: Public Speaking (II.C.)
SOC 211: Principles of Sociology (II.B)
CIS 217: Applications of Micro-computers (I.C)

NOTES:
60 credits transferred upon completion of an approved medical dosimetry program

FLAGS - Record below gen ed courses that meet flag requirements:

First Year Values (V)
Quantitative Reasoning (Q)
Second Year Values (S)
Writing Intensive (W)
Information Literacy (I)

Minimum grade of "C" required in BIOL 258 & 259, CHEM 145, 146, PHSC112 and all requirements in the major.

Placement into Math 050 requires completion of this course with a minimum grade of "C", prior to taking Math 110 and Math 221. Math 050 does not count toward BMIS requirements.

Math 050 Basic Algebra 3
Fall 2014

CLARION UNIVERSITY OF PENNSYLVANIA
School of Nursing & Allied Health
Degree: Bachelor of Science in Medical Imaging Sciences
Concentration in Nuclear Medicine

NAME
Clarion Student ID#
Entrance Date
Program Entry Date
Major Minor

GENERAL EDUCATION REQUIREMENTS - 48 CREDITS
Please refer to the approved list of Gen. Ed. courses that appear in the newspaper schedule.

I. LIBERAL EDUCATION SKILLS - 12 CREDITS CR. GR.
A. English Composition (3-6 credits)
   ENG 111  Writing I  3
   ENG 112  Writing II  3
B. Mathematics Competency (3 credits)
   MATH 221  Elem. Applied Stats  3

C. Credits to total 12 in Category I, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, & Speech Communication.
   AM 101  Medical Terminology  3
   HSC 112  Human Biology  3
   HSC 117  Health Education  3

II. LIBERAL KNOWLEDGE - 27 CREDITS
A. Physical and Biological Sciences (9 credits) selected from at least two of the following: Biology, Chemistry, Earth Science, Mathematics, Physical Science & Physics.
   BIOL 111  Basic Biology  3
   BIOL 224  Human Biology  3
   CHEM 146  Chemistry for Allied Health Sciences II  3
   CHEM 145  Chemistry for Allied Health Sciences I  3
   PHSC 117  Physical Health for Health Care Professionals  3

B. Social and Behavioral Sciences (9 credits) selected from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Psychology, Social Work, Sociology, and Women's Studies.
   PHSC 117  Physical Health for Health Care Professionals  3
   SOC 211  Principles of Sociology  3
   SOC 213  Social Work  3
   SOC 215  Social Psychology & Sociological Research  3
   PSY 211  General Psychology (I.B)  3
   PSY 301  Research Methods in Psychology (I.C)  3
   PSY 302  Personality (II.B)  3
   PSY 303  Social Psychology (II.B)  3
   PSY 304  History of Psychology (II.B)  3
   PSY 401  Social Psychology (II.B)  3

C. Arts and Humanities (9 credits) selected from at least two of the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Speech and Theater.
   AH 101  Medical Terminology  3
   AH 201  Art  3
   AH 301  English Language and Literature  3
   AH 401  Philosophy  3
   AH 402  Humanities  3
   AH 403  Music  3
   AH 404  History of Art  3
   AH 405  Intermediate Foreign Language and Cultures  3
   AH 406  Philosophy of Religion  3
   AH 407  Music Appreciation  3
   AH 408  Philosophy of Science  3
   AH 409  Philosophy of Religion  3
   AH 410  Philosophy of Science  3

III. HEALTH AND PERSONAL PERFORMANCE - 3 CREDITS
A. Health and Wellness (2 credits)
   HPE 111  Health Education  2
   HPE 211  Nutrition  1

B. Personal Performance (1 course and 1 credits)
   HPE

IV. GEN. ED. ELECTIVES - CREDITS TO TOTAL 48 FROM GEN. ED excluding credits in Radiologic Science. Up to 1 credit from III.B. allowed.
   CHEM 145  Chem for Allied Health I  3
   CHEM 146  Chem for Allied Health II  3

V. REQUIREMENTS IN MAJOR 60 CREDITS
A. A. AE 201  Intro to Health Care Environment  2
   AE 202  Research Methods for Health Sci  3
   AE 401  An Leadership Capstone Course  3

B. CLINICAL LAB OR EQUIVALENT COURSE WORK (to total 60 Credits between Categories A&B)
   NUCM 301  Nuclear Medicine Clinical I  1-15
   NUCM 302  Nuclear Medicine Clinical II  1-15
   NUCM 304  Nuclear Medicine Clinical IV  1-15
   NUCM 305  Nuclear Medicine Clinical V  1-15
   NUCM 306  Nuclear Medicine Clinical VI  1-15
   NUCM 307  Nuclear Medicine Clinical VII  1-15

*Equivalent Course Work: COOP 388, COOP 480, NURS 320, NURS 335, NURS 347, NURS 365, NURS 368

VI. FREE ELECTIVES - General Education, Medical Imaging Sciences Major, and Other Required Courses to total at least 120 credits

Other Required Courses:
   CHEM 145  Chemistry for Allied Health Sciences I, 3 cr (IV)
   CHEM 146  Chemistry for Allied Health Sciences II, 3 cr (IV)
   CHEM 224  Chemistry for Allied Health Sciences II, 3 cr (IV)

Recommended Courses:
   PSY 211  General Psychology (II.B)
   CMST 113  Public Speaking (II.C)
   SOC 211  Principles of Sociology (II.B)
   CIS 217  Applications of Micro-computers (I.C)

NOTES:
60 credits transferred upon completion of an approved nuclear medicine program

FLAGS - Record below gen ed courses that meet flag requirements:

First Year Values (V)
Quantitative Reasoning (Q)
Second Year Values (S)
Writing Intensive (W)
Information Literacy (I)

Minimum grade of "C" required in BIOL 258 & 259, CHEM 145, 146, PHSC112 and all requirements in the major.

Online degree completion option only:
Minimum grade of "C" in required in BIOL 111 & 224, CHEM 145, 146, PHSC 117 and all requirements in the major.

Placement into Math 050 requires completion of this course with a minimum grade of "C" prior to taking Math 110 and Math 221. Math 050 does not count toward BISMS requirements.
   Math 050  Basic Algebra  3
GENERAL EDUCATION REQUIREMENTS – 48 CREDITS
Please refer to the approved list of Gen. Ed. courses that appear in the newspaper schedule.

I. LIBERAL EDUCATION SKILLS - 12 CREDITS CR. GR.
   A. English Composition (3-6 credits)
      ENG 111 Writing I  3
   B. Mathematics Competency (3 credits)
      MATH 221 Elem. Applied Stats  3
   C. Credits to total 12 in Category I, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, & Speech Communication.
      MATH 110 Inter Algebra  3
      AH 101 Medical Terminology  3

II. LIBERAL KNOWLEDGE - 27 CREDITS
   A. Physical and Biological Sciences (9 credits)
      selected from at least two of the following: Biology, Chemistry, Earth Science.
      Online Degree Completion Option Only:
      BIOL 111 Basic Biology  3
      PHSC 117 Explor of Phy Science  3
   B. Social and Behavioral Sciences (9 credits)
      selected from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Psychology, Social Work, Sociology, and Women's Studies.
      3
      3
   C. Arts and Humanities (9 credits)
      selected from at least two of the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Speech and Theater.
      3
      3

III. HEALTH AND PERSONAL PERFORMANCE - 3 CREDITS
   A. Health and Wellness (2 credits)
      HPE 111 Health Education  2
   B. Personal Performance (1 courses and 1 credits)
      HPE  1

IV. GEN. ED. ELECTIVES - CREDITS TO TOTAL 48 FROM GEN. ED excluding credits in Radiologic Science. Up to 1 credit from III.B. allowed.
    CHEM 145 Chem for Allied Health I  3
    CHEM 146 Chem for Allied Health II  3

V. REQUIREMENTS IN MAJOR – 60 CREDITS
A. AH 201 Intro to Health Care Environment  3
   AH 301 Research Methods for Health Sci  3
   AH 401 AH Leadership Capstone Course  3
B. CLINICAL LAB OR EQUIVALENT COURSE WORK* (to total 60 Credits between Categories A&B)
   RADT 301 Rad Therapy Treatment Planning  1-12  12
   RADT 302 Rad Therapy Treatment Delivery  1-12  12
   RADT 303 Rad Therapy Patient Care & Ed  1-6  6
   RADT 401 Rad Therapy Clinical Concepts  1-12  12
   RADT 402 Rad Therapy Clinical Applications  1-12  12
   RADT 403 Rad Therapy Radiation Protection  1-6  6

*Equivalent Course Work: COOP 388, COOP 480, NURS 320, NURS 335, NURS 347, NURS 365, NURS 368

VI. FREE ELECTIVES – General Education, Medical Imaging Sciences Major, and Other Required Courses to total at least 120 credits

NOTES:
60 credits transferred upon completion of an approved radiation therapy program.

FLAGS - Record below gen ed courses that meet flag requirements:

** First Year Values (V)
Quantitative Reasoning (Q)
Second Year Values (S)
Writing Intensive (W)
Information Literacy (I)

Minimum grade of "C" required in BIOL 258 & 259, CHEM 145, 146, PHSC 112 and all requirements in the major.

Placement into Math 050 requires completion of this course with a minimum grade of "C" prior to taking Math 110 and Math 221. Math 050 does not count toward BMIS requirements.

Online degree completion option only:
Minimum grade of "C" in required in BIOL 111 & 224, CHEM 145, 146, PHSC 117 and all requirements in the major.
CLARION UNIVERSITY OF PENNSYLVANIA

Degree: Bachelor of Science in Medical Imaging Sciences
Concentration in Radiologic Technology

GENERAL EDUCATION REQUIREMENTS - 48 CREDITS
Please refer to the approved list of Gen. Ed. courses that appear in the newspaper schedule.

I. LIBERAL EDUCATION SKILLS - 12 CREDITS
A. English Composition (3-6 credits)
   ENG 111 Writing I   3
B. Mathematics Competency (3 credits)
   MATH 221 Elem. Applied Stats   3
C. Credits to total 12 in Category I, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, & Speech Communication.
   MATH 110 Inter Algebra   3
   AH 101 Medical Terminology   3

II. LIBERAL KNOWLEDGE - 27 CREDITS
A. Physical and Biological Sciences (9 credits) selected from at least two of the following: Biology, Chemistry, Earth Science, Mathematics, Physical Science & Physics.
   BIOL 252 Human A & P II   3
   PRSC 112 Bio Phys Sc Phys & A   3
   Online Degree Completion Option Only: (in place of Human A&P I & II)
   BIOL 111 Basic Biology   3
   BIOL 224 Human Biology   3
   PRSC 117 Explor of Phys Sci   3
B. Social and Behavioral Sciences (9 credits) selected from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Psychology, Social Work, Sociology, and Women’s Studies.
   3
   3
   3
C. Arts and Humanities (9 credits) selected from at least two of the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Speech and Theater.
   3
   3
   3

III. HEALTH AND PERSONAL PERFORMANCE - 3 CREDITS
A. Health and Wellness (2 credits)
   HPE 111 Health Education   2
B. Personal Performance (1 courses and 1 credits)
   HPE 1xx   1

IV. GEN. ED. ELECTIVES - CREDITS TO TOTAL 48 FROM GEN. ED excluding credits in Radiologic Science.
Up to 1 credit from III.B. allowed.
   CHEM 146 Chem for Allied Health I   3

V. REQUIREMENTS IN MAJOR 60 credits
A. AH 201 Intro to Health Care Environment   2
   AH 401 All Leadership Capstone Course   3
B. CLINICAL LAB OR EQUIVALENT COURSE WORK* (to total 60 Credits between Categories A & B)
   RT 302 Radiographic Procedures   1-12   12
   RT 303 Radiographic Imaging   1-6   6
   RT 401 Radiographic Imaging Clinical   1-12   12
   RT 403 Radiologic Physics Clinical   1-6   6

*Equivalent Course Work: COOP 388, COOP 480, NURS 320, NURS 335, NURS 347, NURS 365, NURS 368

VI. FREE ELECTIVES - General Education, Medical Imaging Sciences Major, and Other Required Courses to total at least 125 credits
   BIOL 261 Human A&P I lab   1
   BIOL 262 Human A&P II lab   1

Other Required Courses:
   BIOL 261: Human Anatomy & Physiology I Lab, 1 cr (IV)
   BIOL 262: Human Anatomy & Physiology II Lab, 1 cr (IV)
   CHEM 145: Chemistry for Allied Health Sciences I, 3 cr (IV)
   CHEM 146: Chemistry for Allied Health Sciences II, 3 cr (IV)

Recommended Courses:
   PSY 211 General Psychology (II.B.)
   CMST 113 Public Speaking (II.C.)
   SOC 211 Principles of Sociology (II.B)
   CIS 217 Applications of Micro-computers (I.C)

NOTES:
Up to 60 clinical credits transferred upon completion of an approved radiologic technology program

FLAGS - Record below gen ed courses that meet flag requirements:

   First Year Values (V)
   Quantitative Reasoning (Q)
   Second Year Values (S)
   Writing Intensive (W)
   Writing Intensive (W)
   Information Literacy (I)

Minimum grade of “C” required in BIOL 251, 252, 261, and 262, CHEM 145, 146, PRSC112 and all requirements in the major.

Online degree completion option only:
Minimum grade of “C” is required in BIOL 111 & 224, CHEM 145, 146, PRSC 117 and all requirements in the major.

Placement into Math 050 requires completion of this course with a minimum grade of “C” prior to taking Math 110 and Math 221. Math 050 does not count toward BMIS requirements.

   Math 050 Basic Algebra   3
GENERAL EDUCATION REQUIREMENTS - 48 CREDITS

Please refer to the approved list of Gen. Ed. courses that appear in the newspaper schedule.

I. LIBERAL EDUCATION SKILLS - 12 CREDITS

A. English Composition (3-6 credits)
   ENG 111  Writing I  3
   ENG 112  Writing II  3
 B. Mathematics Competency (3 credits)
   MATH 221  Elem. Applied Stats  3
 C. Credits to total 12 in Category II, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, & Speech Communication.
   MATH 110  Inter Algebra  3
   AH 101  Medical Terminology  3

II. LIBERAL KNOWLEDGE - 27 CREDITS

A. Physical and Biological Sciences (9 credits) selected from at least two of the following: Biology, Chemistry, Earth Science, Mathematics, Physical Science & Physics.  
   BIOL 251  Human A & P I  3
   BIOL 261  Human A & P II  3
   PHSC 112  Gas Phys Sci Phys & A  3
   Online Degree Completion Option Only: (In place of Human A&P I & II)
   BIOL 111  Basic Biology  3
   BIOL 224  Human Biology  3
   PHSC 117  Basic Phys Sci  3
 B. Social and Behavioral Sciences (9 credits) selected from at least two of the following: Anthropology, Economics, Geography, History, Political Science, Psychology, Social Work, Sociology, and Women's Studies.
   AH 201  Human Values (W)  3
   AH 301  Understanding, Social Institutions (W)  3
 C. Arts and Humanities (9 credits) selected from at least two of the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Speech and Theater.
   AH 401  AH Leadership Capstone Course  3
   AH 402  AH Capstone Course  3

III. HEALTH AND PERSONAL PERFORMANCE - 3 CREDITS

A. Health and Wellness (2 credits)
   HPE 111  Health Education  2
 B. Personal Performance (1 courses and 1 credits)
   HPR  1

IV. GEN. ED. ELECTIVES - CREDITS TO TOTAL 48 FROM GEN. ED excluding credits in Radiologic Science.

Up to 1 credit from III.B. allowed.
   CHEM 145  Chem for Allied Health I  3
   CHEM 146  Chem for Allied Health II  3
   CHEM 258  Uprad  3

V. REQUIREMENTS IN MAJOR 60 credits

A. AH 201  Intro to Health Care Environment  2
 B. AH 301  Research Methods for Health Sci  3
   AH 401  AH Leadership Capstone Course  3

B. CLINICAL LAB OR EQUIVALENT COURSE WORK* (to total 60 Credits between Categories A&B)
   BIOL 261  A&P I Lab  1
   BIOL 262  A&P II Lab  1

Recommendations:
   BIOL 261: Human Anatomy & Physiology I Lab, 1 cr (IV)
   BIOL 262: Human Anatomy & Physiology II Lab, 1 cr (IV)
   CHEM 145: Chemistry for Allied Health Sciences I, 3 cr (IV)
   CHEM 146: Chemistry for Allied Health Sciences II, 3 cr (IV)

Other Required Courses:
   BIOL 261: Human Anatomy & Physiology I Lab, 1 cr (IV)
   BIOL 262: Human Anatomy & Physiology II Lab, 1 cr (IV)
   CHEM 145: Chemistry for Allied Health Sciences I, 3 cr (IV)
   CHEM 146: Chemistry for Allied Health Sciences II, 3 cr (IV)

Recommended Courses:
   PSY 211  General Psychology (II.B.)
   CMST113  Public Speaking (II.C.)
   SOC 211  Principles of Sociology (II.B)
   CIS 217  Applications of Micro-computers (I.C)

NOTES:
60 credits transferred upon completion of an approved ultrasound program

FLAGS - Record below gen ed courses that meet flag requirements:

First Year Values (V)
Quantitative Reasoning (Q)
Second Year Values (S)
Writing Intensive (W)
Writing Intensive (W)
Information Literacy (I)

Minimum grade of "C" required in BIOL 258 & 259, CHEM 145, 146, PHSC112 and all requirements in the major.

Online degree completion option only:
Minimum grade of "C" in required in BIOL 111 & 224, CHEM 145, 146, PHSC 117 and all requirements in the major.

Placement into Math 050 requires completion of this course with a minimum grade of "C" prior to taking Math 110 and Math 221. Math 050 does not count toward BSMIS requirements.