Nuclear Medicine Technology

Suggested Plan of Study
Nuclear Medicine Technology BS program
Saint Cloud State University
Version: December 23, 2011

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University Catalog Entry: http://bulletin.stcloudstate.edu/ugb/programs/nmdt.asp

First Semester	Second Semester
BIOL 266 (Medical Terminology)--2 credits CHEM 210 (Gen. Chem 1)--4 credits [take CHEM 160 (Prep. Chem) before 210 if needed--4 credits] MATH 112 (College Algebra)--3 credits [need satisfactory math placement score or MATH 072 first] ENGL 191 (Intro. to Writing)--4 credits Total: 13 credits	BIOL 151 (Cell Function)--4 credits [need MATH 112 first] CHEM 211 (Gen. Chem 2)--4 credits PHYS 231 (Gen. Physics I)--4 credits [MATH 112 needed before PHYS 231] CMST 192 (Intro. to Comm. Studies)--3 credits Total: 15 credits
Third Semester	**Fourth Semester**
BIOL 202 (Anatomy and Physiology I)--4 credits PHYS 232 (Gen. Physics II)--4 credits PHIL 194 (Critical Reasoning)--3 credits Liberal Education--3 credits PESS 122--1 credit Total: 15 credits	BIOL 204 (Anatomy & Physiology II)--4 credits CHEM 452 (Nuclear Chemistry)--3 credits [offered every other year--take when offered in second or third year] PHYS 408 (Physics of Digital Medical Imaging)--3 credits [PHYS 232 needs to be completed before PHYS 408] Liberal Education--3 credits Total: 13 credits
Fifth Semester	**Sixth Semester**
CHEM 350 (Quantitative Analysis)--4 credits STAT 229 (Statistics for the Physical Sciences)--3 credits Elective--2 credits or more Liberal Education--3 credits Liberal Education--3 credits Total: 15 credits	CHEM 141 (Intro to Organic & Biochemistry)--5 credits CHEM 452 (Nuclear Chem) or Liberal Education--3 credits Liberal Education--3 credits Liberal Education--3 credits Total: 14 credits
Seventh Semester	**Eighth Semester**
Internship NMDT Courses (17 credits) NMDT 499 (1 credit)	Internship NMDT Courses (17 credits) Total Credits: 120

GENERAL NOTES:

1. Important Note: courses should be taken in the order given above. This plan takes into account when courses are offered and what pre-requisites are needed for each course. Students who take courses in a sequence that is different from the sequence given here run the risk of needing more time to finish the program because not all courses are offered every semester and because many courses must be taken in a specific order.
2. Students interested in this program are encouraged to get advising help from an adviser knowledgeable about the SCSU medical physics programs.
3. Internship applications should be made early in the fifth semester.
4. This major will fulfill the requirements for two Liberal Education Goal Areas: Goal 3 (Natural Sciences) and Goal 4 (Mathematical/Logical Reasoning).
5. This is a competitive program, as are all medical programs. Competition for limited seats should be expected by the students. Clinical internships are required, but limited. There is no guarantee or promise that a students will get a clinical internship. Students are encouraged to have a backup plan (i.e., be able to switch to another major) in case they cannot get a clinical internship.
6. Recommended courses: BIOL 262, 360, 368; CMST 442; SOC 475.