

Career Resources in Science and Medicine



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NN/LM National Network Office

National Library of Medicine, National Institutes of Health



Distance Learning Course: Career Resources

Thursday, November 20, 2008

■ Learning Objectives:

- Who we are
- What we do
- Resources for science and medicine careers



National Library of Medicine (NLM)



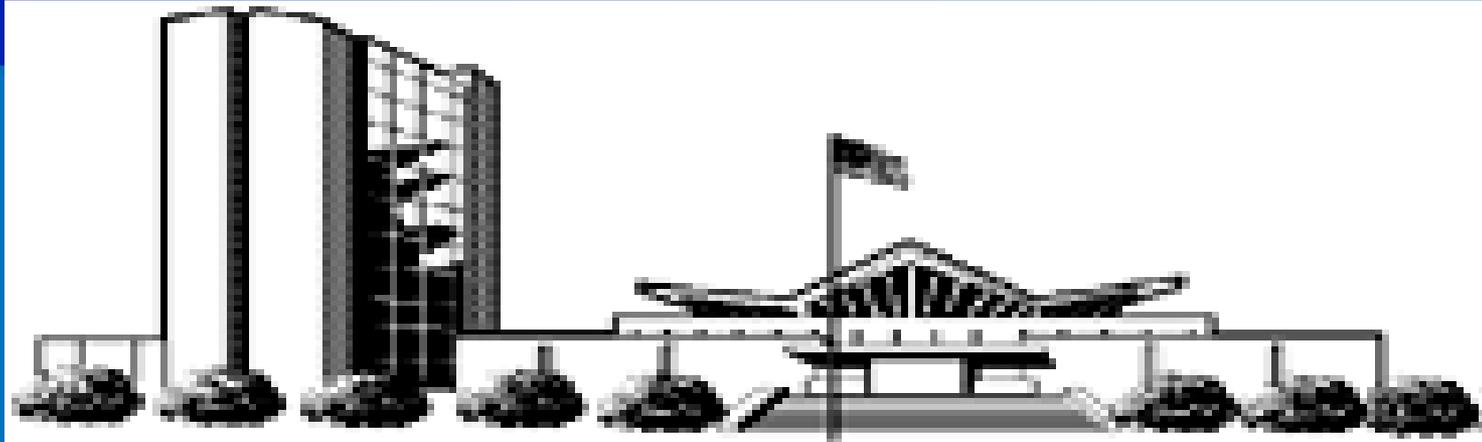
National Library of Medicine



- Institute of the National Institutes of Health (NIH)
 - 27 Institutes and Centers
 - Bethesda, Maryland
- World's largest medical library
- 9 million items – books, journals, technical reports, manuscripts, microfilms, photographs and images



Mission



“To acquire, organize, disseminate, and preserve the biomedical knowledge of the world for the benefit of the public health.”



Much More Than Books: Services of the National Library of Medicine



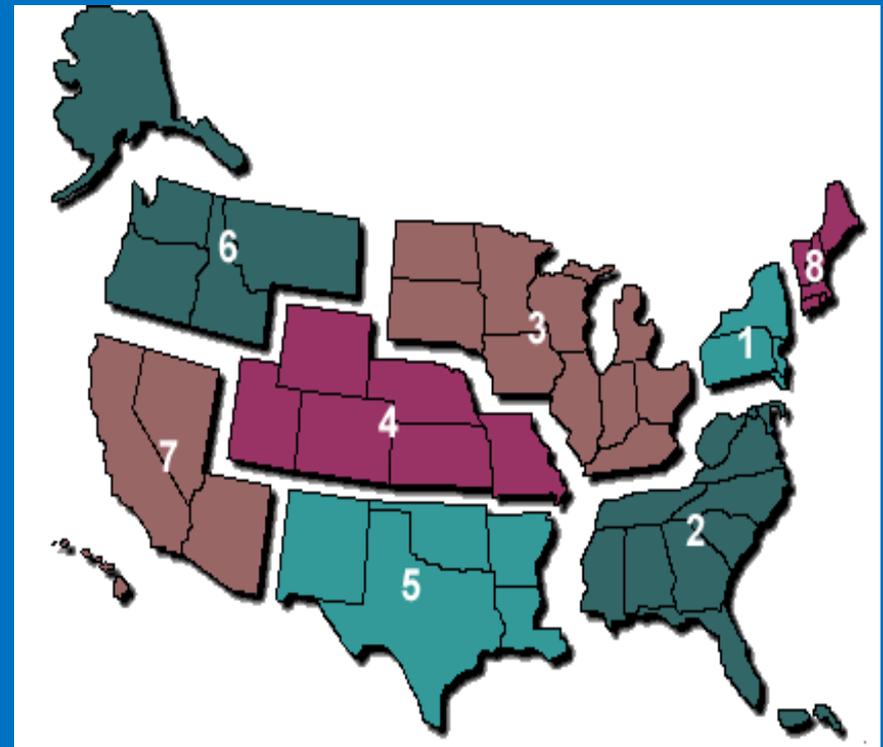
- Web Resources
- Research & Development
- Toxicology & Environmental Health
- Grants
- Exhibitions



National Network of Libraries of Medicine (NN/LM)



- 8 Regional Medical Libraries & 3 National Centers
 - Public & Private Academic Health Sciences Libraries
 - 5 Year Contracts w/NLM
- 165 Resource Libraries
- 5,932 Network Members
 - Hospital Libraries
 - Public Libraries
 - Academic Libraries



NN/LM Mission



“To advance the progress of medicine and improve the public health by providing all U.S. health professionals equal access to biomedical information and by improving the public’s access to information to enable them to make informed decisions about their health.”

National Library of Medicine (NLM) & National Network of Libraries of Medicine (NN/LM)



WWW.NLM.NIH.GOV/

NNLM.GOV/

The screenshot shows the NLM website homepage. At the top left is the NLM logo with the text "United States National Library of Medicine National Institutes of Health". To the right is a banner image of a person in a library with the text "The World's Largest Medical Library". Below the banner is a navigation menu with categories like "Health Information", "Library Catalog & Services", "History of Medicine", and "Online Exhibitions & Digital Projects". A central section titled "Especially for:" lists target audiences: "The Public", "Health Care Professionals", "Researchers", "Librarians", and "Publishers". Below this is a "Current Health News" section with several articles, including "Active Pregnant Women Tend to Stay Healthier" and "Stay Upbeat, Exercise to Help Prevent Cancer in Old Age". There is also a "List of NLM Databases and Resources" section with links to PubMed, MedlinePlus, and Tox Town.

The screenshot shows the NN/LM website homepage. At the top left is the NN/LM logo with the text "National Network of Libraries of Medicine nnlm.gov". To the right is a search bar with "Google Custom Search". Below the logo is a navigation menu with categories like "Member Services", "Provide Outreach", "Resource Sharing & Document Delivery", and "Health Information on the Web". The main content area is titled "Resources for Members of the National Network of Libraries of Medicine (NN/LM)" and includes the text "Advancing the progress of medicine and improving the public health through access to health information. Join the network or find local resources by clicking on the links below or call us at 1-800-338-7657." Below this is a map of the United States divided into regions: "Greater Midwest Region", "MidContinental Region", "Middle Atlantic Region", "New England Region", "Pacific Northwest Region", "Pacific Southwest Region", "South Central Region", and "Southeastern/Atlantic Region".



U.S. Department of Health & Human Services



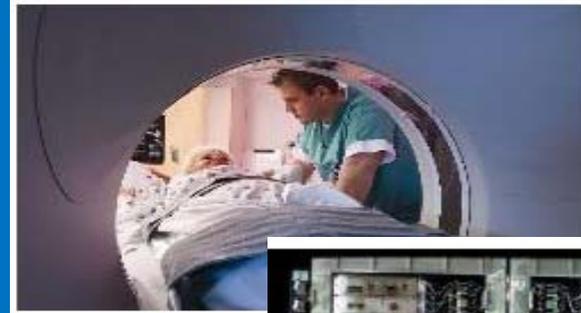
National Institutes of Health

The Nation's Medical Research Agency

HOME HEALTH GRANTS NEWS RESEARCH INSTITUTES ABOUT NIH



- NIH Youth Initiative
- Summer enrichment program
- Visit NIH
- Opportunities in scientific and biomedical careers
- www.nih.gov/



United States
National Library of Medicine
National Institutes of Health

Partnership



- National Center on Minority Health and Health Disparities (WWW.NCMHD.NIH.GOV/)
- National Medical Association (WWW.NMANET.ORG/)
- Association of American Indian Physicians (WWW.AAIP.ORG)
- Hispanic Medical Association (WWW.NHMAMD.ORG/)



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Better Jobs, Better Pay, A Better Life
Education is the Key

Featured Article

The 21st Century Education Experience: Top Ten Questions and Tips

Going to college means different things to different people. For some, it's a post-high school ritual that is the start of adulthood. For others, it's a way to advance their current career while balancing work and life commitments. Many people with full-time jobs, family responsibilities, and young children, or who are trying to start over, don't have the time or money to invest in a traditional college program when they pursue their associate's, bachelor's or master's degree.

[» Read entire article](#)

Popular Business & Management Programs

- » [Master of Management](#)
- » [Bachelor of Science in Business/Administration](#)
- » [Bachelor of Science in Management](#)

Popular Computers & Technology Programs

- [Bachelor of Science in Information Technology](#)
- » [Bachelor of Science in Business/e-Business](#)
- » [Cisco Certified Design Associate \(CCDA\) Certificate](#)

Popular Psychology & Human Services Programs

Quick Search

Choose an Area of Interest:*

Choose a class location:*

Online Campus

Your highest level of education is:*

Zip Code:*



United States
National Library of Medicine
National Institutes of Health



Request **FREE** information, no obligation!

✓ Request **FREE** information from schools

✓ Financial aid assistance is available

You can do it all online in the schedule that fits your needs.

With some basic information from you, we can advise you about the schools and programs that best fit your interests. Our partnership with leading education programs ensures you will get relevant, timely information.

Some of the Leading Institutions You Can Reach Through CourseAdvisor:

- University of Phoenix
- Capella University
- Everest University
- Johns Hopkins University
- Strayer University
- University of Maryland
- American InterContinental University (AIU)
- South University Online
- Westwood College
- Colorado Technical University
- Kaplan University

Degrees, certifications, or just a class for interest... *it's never too late to learn.*

STEP 1

STEP 2

DONE!

Fields marked with * are required

What subject area(s) interest you the most? *

- Business & Management
- Criminal Justice and Security
- Culinary, Hospitality, Travel, Tourism
- Education & Teaching
- IT & Computer Science
- Legal & Paralegal
- Liberal Arts & Communications
- Lifelong Learning
- Master of Business Administration (MBA)
- Medical, Nursing, & Allied Health
- Psychology & Human Services
- Religion
- Science, Math, & Engineering
- Trades & Vocational Training
- Visual & Performance Arts
- Web Design & Development

Where do you want to take classes? *

- Online
- Campus

(You may select BOTH options)

When do you plan to begin taking classes? *

Please make a selection ▼

When you begin taking classes...

How old will you be? *

Please make a selection ▼

What will be your highest level of education? *

Please make a selection ▼

Universities and Colleges



ANSEP.UAA.ALASKA.EDU



- University of Alaska Anchorage
- The Alaska Native Science & Engineering Program (ANSEP)
- Virtual tutoring
- Preparatory program for science, technology, engineering and mathematics.

ALASKA NATIVE SCIENCE & ENGINEERING PROGRAM™

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Building a National Model for Excellence in Native American Higher Education Programs

The Alaska Native Science & Engineering Program (ANSEP™) is a longitudinal program that works with students from the time they are freshmen in high school all the way through graduate school. ANSEP™ increases university recruitment and retention rates through hands-on high school outreach initiatives, rigorous summer bridging programs, focused academic learning communities, organized student cohorts, networks of peer and professional mentors, community-based learning, professional internships and undergraduate research projects.

Our objective is to effect a systemic change in the hiring patterns of Indigenous Americans in the fields of science, technology, engineering and mathematics (STEM) by increasing the number of individuals on a career path to leadership in STEM fields.



WWW.UCOP.EDU/COSMOS/

- University of California
- California State Summer School for Mathematics and Science (COSMOS)
- Residency program in advanced math and science

COSMOS
CALIFORNIA STATE SUMMER SCHOOL FOR MATHEMATICS AND SCIENCE

UC Irvine UC Santa Cruz UC Davis UC San Diego

About COSMOS
FAQs
Application
Resources
Advisory Board
Announcements

COSMOS Student Profiles

COSMOS is a month-long residential program for California high school students who demonstrate high achievement in science and mathematics and are motivated to explore complex topics in depth. Participants attend classes and live in the residence halls at one of four UC campuses--Davis, Irvine, San Diego or Santa Cruz-- and have the opportunity to engage in social activities during the evening and field trips on weekends. Special events are designed to enhance students' personal, social and academic growth. Each COSMOS site offers different theme-based course clusters that reflect the unique resources and specialties of the campus.

Select a student's thumbnail image below to view their profile.

Student Profiles
Alumni
HS Teacher Opportunities

COSMOS Student Profile Archive

WWW.CSULB.EDU/DEPTS/GEOGRAPHY/GDEP/



- California State University, Long Beach
- GeoDiversity
- Geology, Geography, Archaeology and Environmental Sciences research projects including field and lab program



Geological Sciences
at California State University, Long Beach

Organizations



WWW.SFOS/UAF/EDU/FUTURE/HIGHSCHOOL/SUMMER/

- Alaska Marine Science and Fisheries Careers Coalition
- Support Alaskans seeking careers in fisheries and marine science
- Camps, Internships, College Bridging Programs

Future Alaskans in Fisheries & Marine Science

Home
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Careers
For High School Students
Pre-College Preparation
Summer Opportunities
For College Students
For Educators
Community Contacts
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Summer Opportunities for High School Students

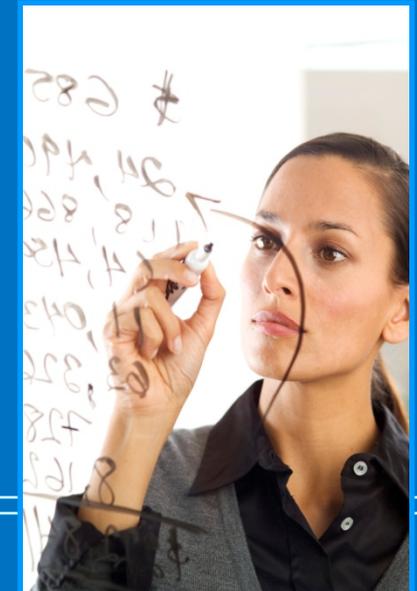
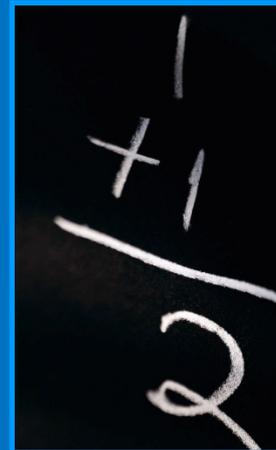
Camps, Internships, College Bridging Programs

Alaska Department of Fish and Game
The Alaska Department of Fish and Game has high school internships available. Contact Debbie Hart, Program Coordinator, Fish and Wildlife Careers for Alaskans, e-mail: Deborah_hart@fishgame.state.ak.us or (907) 465-2915.

WWW.AMS.ORG/EMPLOYMENT/MATHCAMPS.HTML



- American Mathematical Society (AMS)
- Summer math camps and programs for high school students across the country

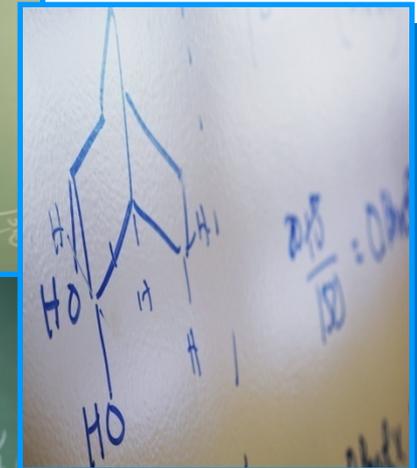
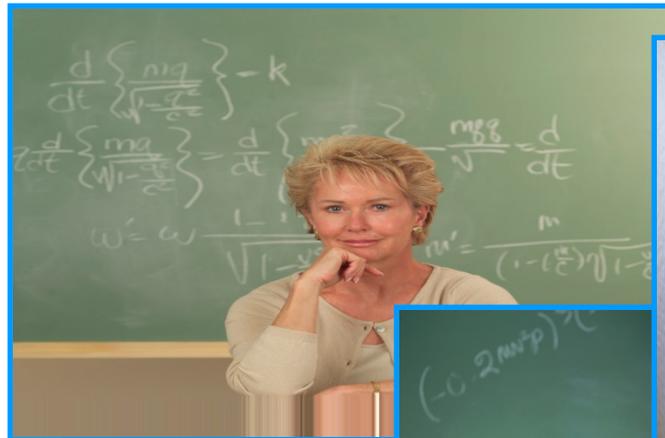
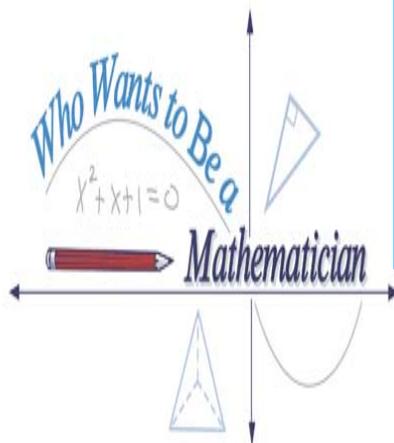


WWW.AMS.ORG/EMPLOYMENT/HIGHSCHOOL.HTML



Attention High School Students and Teachers

AMERICAN MATHEMATICAL SOCIETY



WWW.NLM.NIH.GOV/MEDLINEPLUS/SURGERYVIDEOS.HTML



http://www.or-live.com - Medline Plus - Microsoft Internet Explorer

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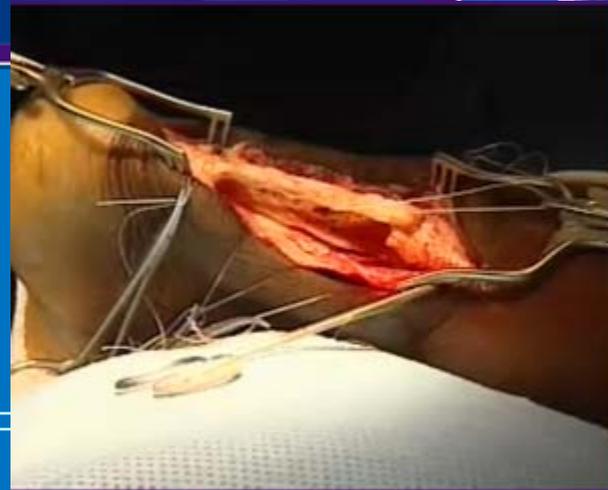
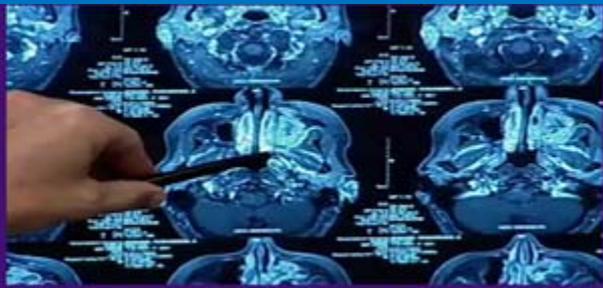
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and the NATIONAL INSTITUTES OF HEALTH

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Medical Librarians

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What's a medical librarian?

A medical librarian, also known as an information specialist, links people to health information. We organize and help doctors, nurses, and consumers find health, science, patient care, and general information in a range of settings. We teach people how to use information to improve health care.

Where do we work?

Medical librarians work in libraries or information resource centers located in:

- medical colleges and universities
- corporations (for example: insurance and drug companies)
- hospitals
- government agencies
- Internet companies
- public libraries
- research centers

Who do we work with?

- doctors
- medical students
- nurses
- pharmacists
- researchers
- patients
- therapists
- computer and network gurus
- general public and patient families
- veterinarians
- other information specialists

What do we do?

Medical librarians are responsible for many tasks. Examples include:

- design, develop, navigate, and maintain Web sites
- locate print and electronic resources
- create and manage products and services that provide information easily
- choose and buy books, magazines, and videos (in print and electronic formats)
- organize books, magazines, and electronic resources for quick and easy use
- teach others how to use computers, the Web, and other systems to find the information they need
- share books and magazines with other libraries
- operate computers and computer networks
- plan and manage library services and staff
- serve society by finding information to improve people's health

What do I need to do to become a medical librarian?

- get a college degree in any field of study (courses in biology, medical sciences, medical terminology, computer science, education, and management are helpful. Knowledge of computer software is also a plus.)
- get a graduate degree in library and information sciences, accredited by the American Library Association
- be enthusiastic about learning and teaching others
- develop great "people" skills (listening, speaking, writing)
- be excellent at organizing
- learn strong computer skills, including the ability to navigate the Web and create Web pages
- have an interest in health care and medicine
- have a sense of humor

Applicants with strong computer skills are more likely to find jobs in health information

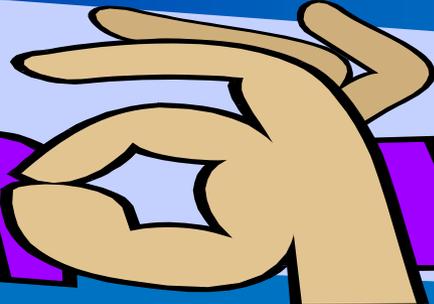
How much do medical librarians earn?

Salaries vary according to the type and location of institution, the level of responsibility, and the length of employment. The Medical Library Association reports that in 2005, the average starting salary was \$40,832. The overall average salary for medical librarians in 2005 was \$57,982. Library directors earned up to \$158,000.



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Thanks



- Where to find us:
 - www.nlm.nih.gov/
 - <http://n.nlm.gov>
 - 1-800-338-7657
 - boydl@mail.nlm.nih.gov

