

## **Clinical Science Masters Degree Program**

**Our Goal:** To train nationally competitive clinician/clinical translational scientists by providing a formal and structured educational program in the clinical and translational sciences including formal mentoring with interdisciplinary faculty working in the clinical sciences. Graduates are trained to conduct rigorous, credible and relevant patient-based research within stringent ethical and regulatory guidelines, and translate the evidence for community application.

### **Who is this program for?**

The program attracts students from multiple disciplines, which includes medicine, surgery, pharmacy, physical therapy, and psychology. Over 70% of students in the MSCS program are medically trained and completing the program in conjunction with fellowship training programs.

### **How long does it take to complete the degree?**

Most people take 18-24 months but others have completed the degree in 12 months. The program is designed to be completed in five terms.

### **What if I am interested in completing a PhD in the future?**

All courses taken to acquire the MSCS, except the research publishable paper hours or thesis hours, can be applied to the CLSC PhD for a maximum of 30 hours.

### **How much does it cost?**

The cost per credit hour is about \$500.

### **What are the deadlines for admission?**

The Clinical Science Program has three admissions throughout the year:

- October 1 for a spring term (Jan-May) start
- Feb 1 for a summer (June-Aug) or fall term (Aug-Dec) start
- May 1 for a fall term (Aug-Dec) start

It is anticipated that students in the surgical training program will want to take courses during their dedicated research time, which typically starts in July. If you wish to start in the fall term, you will need to apply for the May 1 deadline. If you would like to start a Guided Research Tutorial in July, when your research training time starts, you will need to apply to the program for the Feb 1 deadline.

## What is the curriculum?

Required Core Course Hours		Credits
BIOS 6601 or BIOS 6611	Applied Biostatistics I <i>OR</i> Biostatistical Methods I	3
BIOS 6602 OR BIOS 6612	Applied Biostatistics II <i>OR</i> Biostatistical Methods II	3
BIOS 6648 or EPID 6626	Design and Conduct of Clinical Research OR Research Methods in Epidemiology	3
CLSC 6210	Research Seminars in Clinical Science	1
CLSC 6270	Critical Appraisal Seminars in Clinical Science	1
CLSC 7101	Grant Writing I	1
CLSC 7150	Ethics and Responsible Conduct of Research	1
EPID 6630	Epidemiology	3
<b>Total Required Core Course Credits for All Students</b>		<b>16</b>

Required Thesis / Research Hours		Credits
CLSC 6699 or CLSC 6950	Masters Research Project: Publishable Paper <b>OR</b> Masters Research Project: Thesis	Var
<b>Total Thesis / Research Credits</b>		<b>4-6</b>

Required Elective Hours		Credits
<b>Total Elective Course Credits</b>		<b>8-10</b>

**Total Required Hours for Degree = 30**

## How do I tailor the program to meet my needs?

Elective credit hours (8-10) are used to take courses to develop competencies in areas you have identified to meet your needs. Courses do not have to be Clinical Science courses but can be taken through any programs at AMC, Downtown or Boulder campuses.

Most students in the program develop their own courses termed, Guided Research Tutorials. Guided Research Tutorials allow flexibility in the timing of meeting with the professor and completion of assignments. You select your professor and together develop the course, which includes identifying the timing of your meetings (classes), assignments and topics addressed to meet the course's goals. The focus of Guided Research Tutorials vary and may include writing a manuscript, analyzing data, submitting COMIRB applications, or performing a literature review to inform protocol development.

**Who do I contact with questions?**

**Lisa Cicutto RN, ACNP(Cert), PhD**

**Program Director**

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**Our website:**

<http://www.ucdenver.edu/research/CCTSI/education-training/clsc/masters-program/Pages/default.aspx>