

**Distance Learning
in
Engineering & Applied Science**



Master of Engineering Degrees via
Live Interactive Course Broadcasts

Contact Information

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Program Director
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More information can be found at:

UVA website: cgep.virginia.edu



State-wide website: cgep.virginia.gov

Enrollment Options

- **Degree**
Requires formal application by 2nd semester
Requires GRE tests and scores
- **Non-degree (visiting student)**
Requires an informal application

Courses taken as a non-degree student may or may not count towards a UVA degree. Such courses must be approved for a Plan of Study.

**Why Pursue an
Advanced Technical Degree?**

NAE recommends Masters degree as a professional qualification

- ↑ career opportunities and job satisfaction
- ↑ technical knowledge and opportunities to contribute

Median Engineering Salaries (2004):

- Bachelors: \$50,000, Masters: \$60,000

Distance learning provides access to this while you continue your career uninterrupted.

**UVa Engineering
Distance Learning
Programs**

- Chemical Engineering
- Civil Engineering (Structural)
- Electrical Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Systems Engineering

What is required to earn a degree?

- The degree is a Masters of Engineering degree.
- A research thesis is not expected.
- 10 graduate courses
- 3.0 GPA or better
- An approved Plan of Study (Form G101)

Sample Plan of Study

Initial Transfer Credit

Graduate Level Polymers - University X

Fall 2005

MSE 605 Structure and Properties of Materials I

Spring 2006

MSE 606 Structure and Properties of Materials II

Fall 2006

MSE 601 Materials Structure and Defects*

MAE 685 Measurement and Instrumentation

Plan of Study (Cont'd)

Spring 2007

MSE 647 Physical Metallurgy of Transition-Element Alloys

Fall 2007

MSE 623 Thermodynamics of Materials*

Spring 2008

MSE 624 Kinetics of Solid State Reactions*

MSE 602 Materials Characterization**

Fall 2008

ISE 5204 Manufacturing Systems***

Program Advisors

- **Chemical** **Prof. J. O'Connell**
434-924-3428, jpo2x@virginia.edu
- **Civil** **Prof. T. Baber**
434-924-6360, ttb@virginia.edu
- **Electrical** **Prof. S. Wilson**
434-924-6091, sgw@virginia.edu

Program Advisors

- **Materials Science** **Prof. L. Zhigilei**
434-243-3582, lz2n@virginia.edu
- **Mechanical** **Prof. E. Maslen**
434-924-6227, eh7s@virginia.edu
- **Systems** **Prof. W. Scherer**
434-982-2069, wts@virginia.edu

<http://cgep.virginia.edu/degrees.html>

Additional Contact Info

- Call or e-mail Rita Kostoff, Chief Program Administrator, for more information: 434-924-4051
rfk2u@virginia.edu
- Call Advisors and / or Instructors

Registering for a Class

- Obtain registration form from web site:
<http://cgep.virginia.edu/forms1.html>
- Submit form and payment to site coordinator where you take classes.
- If uncertain, contact Rita Kostoff.
434-924-4051, rfk2u@virginia.edu

Fall 2007 Schedule

Monday / Wednesday

2:00 - 3:15 p.m.
ECE 622: Linear State Space
Control Systems

3:30 - 4:45 p.m.
ECE 576: Digital Signal Processing

Monday / Wednesday

5:00 - 6:15 p.m.
MSE 532: Deformation & Fracture
Mechanics

6:30 - 7:45 p.m.
MAE 692: Creativity and New Product
Development

8:00 - 9:15 p.m.
CE 610: Concrete Materials

Tuesday / Thursday

9:30 - 10:45 a.m.
PHYS 521: Theoretical Mechanics

2:00 - 3:15 p.m.
ECE 642: Optics for Optoelectronics

3:30 - 4:45 p.m.
MAE 641: Engineering Mathematics I

5:00 - 6:15 p.m.
SYS 603: Mathematical Programming

Tuesday / Thursday

6:30 - 7:45 p.m.
ChE 642: Applied Surface Chemistry

8:00 - 9:15 p.m.
MSE 605: Structure & Property of Materials I

On-Line Course

BIOM 695/ChE 881:
Biomedical Nanotechnology

Additional Thoughts on Enrolling

- Please do not start with more than one class.
- Course work loads and teaching quality will vary class by class.
- Graduate school is different than college. The instructor is a learning facilitator. You will need to be an active learner.

Additional Thoughts on Enrolling

- Faculty will expect the same output from you as they do from their on-campus, full-time graduate students.
- Be sure that you are willing to set aside the time necessary to succeed.

Questions?

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Tuition Rates 2007-2008

- In-State - \$1,140 / course
- Out-of-State - \$1,935 / course
- Plus \$12 / course technology fee and appropriate Center fees