



A. JAMES CLARK
SCHOOL OF ENGINEERING

New Student Orientation

Welcome to the Office of
Advanced Engineering
Education (OAEE)

ENPM and GCEN Programs



Fear the Turtle.

PROFESSIONAL MASTER OF
ENGINEERING PROGRAM

GRADUATE CERTIFICATE
IN ENGINEERING
PROGRAM



Programs

Professional Master of Engineering – ENPM (options)

- Aerospace
- Chemical & Biomolecular
- Environmental & Water Resources
- Geotechnical/ Pavements
- Project Management
- Structures
- Transportation
- Communications & Signal Processing
- Computer Engineering
- Fire Protection
- Materials Science & Engineering
- Energy & The Environment
- General Mechanical
- Nuclear
- Reliability
- Systems
- Energetic Concepts
- Sustainable Energy

Graduate Certificate in Engineering – GCEN (options)

All of the above, plus -

- Software Engineering
- Technology Ventures & Innovation



Requirements

ENPM

10 courses (30 credits)

Core Courses by Program Option

Electives

GCEN

4 courses (12 credits)

Core Courses by Program Option



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff



Dr. George Syrmos
Executive Director
301-405-3633
syrmos@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff



Paul Easterling
Director ED&C
301-405-3017
peaster@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff



Kerri Poppler James

Assistant Director

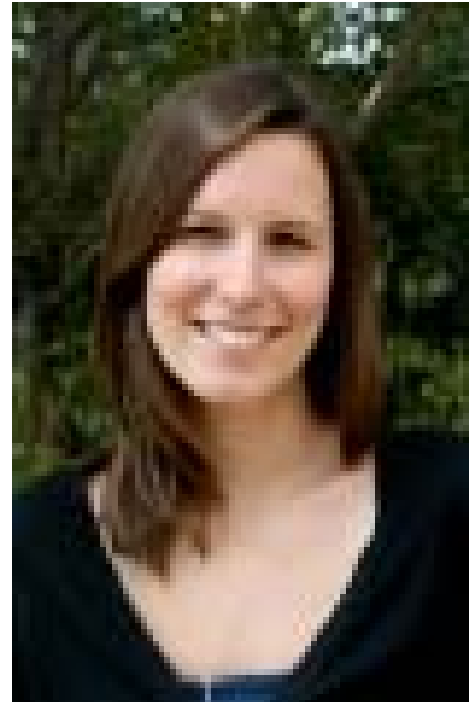
301-405-2355

kjames3@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff

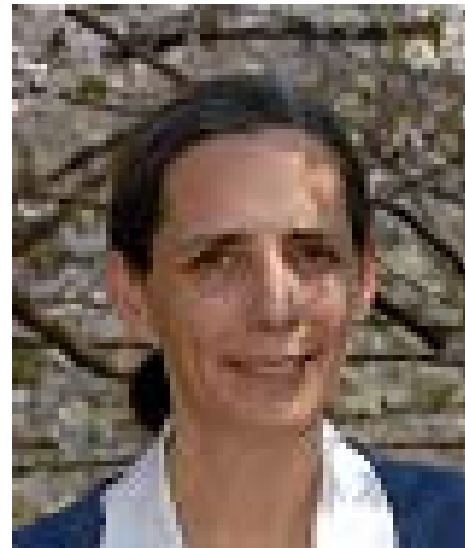


Reagan Jhee
Coordinator
301-405-7200
reagan@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff



Ruth Rencher
Program Management
Specialist
301-405-0362
rrencher@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Staff



Sania Fatmi

Academic Program

Specialist

301-405-7200

sfatmi@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

OAE Office

**Address - 2123 J.M. Patterson
Bldg., College Park, MD 20742**

Telephone - 301-405-0362

Fax – 301-405-3305

Email - oaee@umd.edu

Website - www.oaee.umd.edu

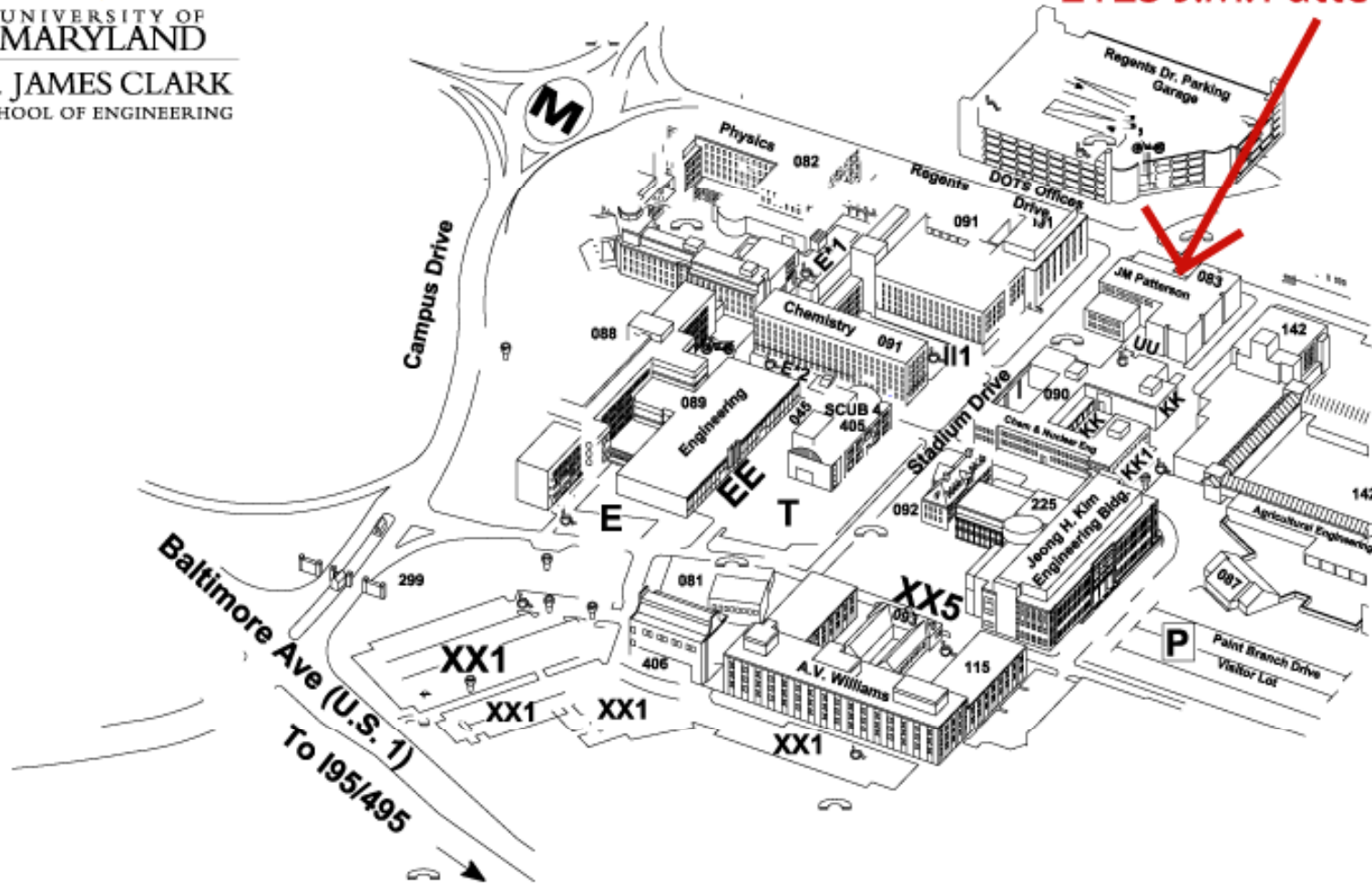


A. JAMES CLARK
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UNIVERSITY OF
MARYLAND
A. JAMES CLARK
SCHOOL OF ENGINEERING

West Entrance
2123 J.M. Patterson Bldg.



OFFICE of ADVANCED ENGINEERING EDUCATION



Students

Current Students (August '09)

■ GCEN Students	-	84
■ ENPM Students	-	436

Students Recommended for Admission (Aug. '09)

■ GCEN Students	-	15
■ ENPM Students	-	150

Alumni (August 2009)

■ GCEN	-	130
■ ENPM	-	1059



ENPM Degrees Awarded by Option

Department	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Total to Date
Aerospace Engineering	0	1	0	2	3	1	4	3	2	2	5	9	9	9	7	57
Civil and Environmental Engineering	2	9	16	17	16	12	20	20	25	22	15	28	29	37	47	315
Chemical Engineering	0	0	0	0	0	2	2	3	0	1	3	2	2	0	3	18
Electrical and Computer Engineering	3	5	6	10	13	9	8	9	5	23	30	29	24	17	21	212
Energetic Concepts	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5
Fire Protection Engineering	1	0	3	3	4	6	2	2	2	1	0	3	1	1	2	31
Fire Protection Engineering Online	0	0	0	0	0	0	0	0	0	0	0	15	8	18	18	59
Materials and Nuclear Engineering	0	0	0	1	1	1	0	0	0	0	0	3	1	1	2	10
Mechanical Engineering	1	3	11	13	11	19	15	12	11	18	18	17	16	18	11	194
Reliability Engineering	0	0	1	1	6	9	8	0	3	3	3	1	2	2	4	43
Systems Engineering	0	1	6	5	8	9	6	7	6	8	10	7	15	12	15	115
Total Number of Degrees	7	19	43	52	62	68	65	56	54	78	84	114	111	116	130	1,059



GCEN Awarded by Option

Academic Option	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Total
Aerospace Engineering	0	0	0	3	0	1	1	1	2	8
Civil and Environmental Engineering	1	0	3	0	2	2	10	13	9	40
Chemical Engineering	0	0	0	0	0	2	1	0	0	3
Electrical and Computer Engineering	0	0	3	3	3	5	3	1	3	21
Fire Protection Engineering	0	0	0	0	0	0	0	0	0	0
Materials and Nuclear Engineering	0	0	0	0	0	0	1	0	0	1
Mechanical Engineering	0	0	1	1	1	4	3	2	1	13
Reliability Engineering	0	0	1	0	4	0	5	2	1	13
Software Engineering	0	0	0	0	2	7	7	8	7	31
Total Number of Certificates	1	0	8	7	12	21	31	27	23	130



Registration

- **Testudo (testudo.umd.edu)**
- **Every semester you will receive an email regarding registration.**
- **Register early.**
- **Systems Engineering courses - contact Kerri Poppler James, as early as possible, for permission.**
- **Civil & Environmental Engineering courses - contact Al Santos.**



Registration

- Independent study (specifically ENPM 808) - contact George Syrmos for permission. Prepare syllabus to include faculty in charge, topics to be covered, grading policy, etc.
- ENPM 620 - departmental permission is needed.



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DETS

Distance Education Technology and Services

To register for a course via DETS or online, use the appropriate section

PE01	HT01	SG01
EF01	PM01	SM01
HG01	ER01	TV01
ME01	NE01	

Problems email

DETS-Registrations@umd.edu

Call 301-405-4899

**PROFESSIONAL MASTER OF
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**GRADUATE CERTIFICATE
IN ENGINEERING
PROGRAM**



**Marty
Ronning**



**Katie
Truedson**



Advising

- Meet with your departmental advisor prior to start of first semester to develop initial course plan.
- Continue meeting with your advisor every semester. Modifications to course plan require your advisor's approval.
- List of departmental advisors is provided.



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. William L. Fournery
AEROSPACE ENGINEERING

3179F Glenn L. Martin Hall

301-405-1129

email: four@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Sheryl Ehrman
CHEMICAL & BIOMOLECULAR
ENGINEERING

1223C Chemical and Nuclear Engineering Building
301-405-1917

email: sehrman@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Ali Haghani

**CIVIL & ENVIRONMENTAL
ENGINEERING**

1137 Engineering Laboratory Bldg
301-405-1963

email: haghani@umd.edu



Al Santos

**CIVIL & ENVIRONMENTAL
ENGINEERING**

1173 Glenn L. Martin Hall
301-405-1977

email: asantos@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Mehdi Kalantari
**COMMUNICATION &
SIGNAL PROCESSING**

1365 A. V. Williams Bldg.
301-405-6622

email: mehkalan@umd.edu



Dr. Shuvra Bhattacharyya
**COMPUTER
ENGINEERING**

2311 A. V. Williams Bldg.
301-405-3638

email: ssb@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. James Short

ENERGETIC CONCEPTS

2140 Glenn L. Martin Hall

301-405-5246

email: james.short@cecd.umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. James Milke

FIRE PROTECTION ENGINEERING

3104F J.M. Patterson Building

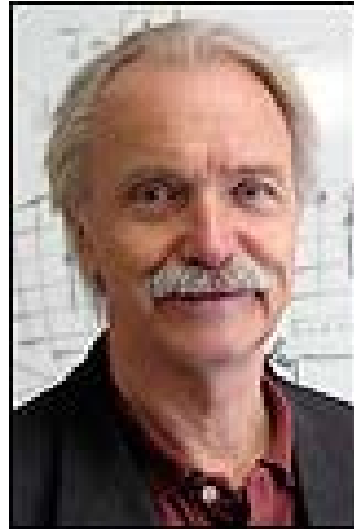
301-405-3995

email: milke@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors

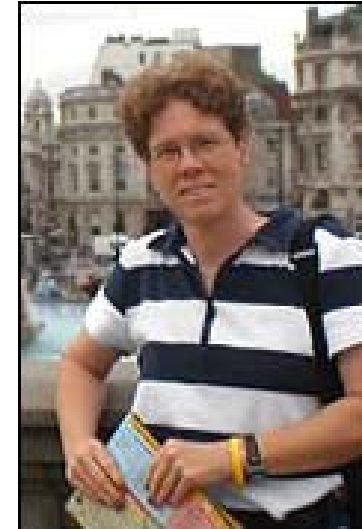


Dr. Manfred Wuttig
MATERIALS SCIENCE
& ENGINEERING

1110C Chemical and Nuclear Eng.

301-405-5212

Email: wuttig@umd.edu



Dr. Kathleen Hart
MATERIALS SCIENCE
& ENGINEERING

1113 Chemical and Nuclear Eng.

301-405-5989

Email: hart@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Sami Ainane

**MECHANICAL ENGINEERING
SUSTAINABLE ENERGY ENGINEERING**

Room 2188 Glenn L. Martin Hall

301-405-5310

email: ainane@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Aris Christou

NUCLEAR

ENGINEERING

2309A Chemical and Nuclear
Engineering Bldg.

301-405-5208

Email: christou@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. Ali Mosleh
RELIABILITY
ENGINEERING

0151F Glenn L. Martin Hall
301-405-5215

email: mosleh@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. James V. Green
TECHNOLOGY VENTURES
& INNOVATION

2101 Leased Facility (CP Prof, 4511 Knox Rd.)

301-314-1450

email: jvgreen@umd.edu



A. JAMES CLARK
SCHOOL OF ENGINEERING

Advisors



Dr. George Syrmos
SYSTEMS ENGINEERING

2123 J.M. Patterson Building
301-405-3633

email: syrmos@umd.edu



Credit Transfer

- Up to six credits
- Prior to taking courses outside UMCP, get approval from your advisor - provide catalog description.
- After you complete the course(s), arrange for an official transcript to be sent to OAEE.



Graduation

ENPM

- Degree must be completed within five years.
- Coursework over five years old must be revalidated. Any courses over seven years old will not be accepted.
- Apply on time (application for graduation)
- Inform OAEE early in order for us to process the required paperwork.
- One credit registration requirement
- 3.0 GPA requirement
- Buy cap and gown from UBC (orange hood.)



Graduation

GCEN

- Certificate must be completed within five years.
- Only credits taken at UMCP will be allowed.
- Twelve credits of approved coursework with an average grade of “B” required for completion of the certificate.
- Inform OAEE early in the semester you intend to graduate.



General

- **Student info. - report changes to OAEE and the Graduate School**
- **Available services: e-mail accounts, computer labs, recreation centers, etc.**
- **OAEE contact information (George Syrmos, Kerri Poppler James)**
- **Visit the OAEE website regularly <http://www.oaee.umd.edu>**



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**GOOD
LUCK!!**