



# IBM Academic Initiative At Your Service

There's something for  
**EVERYONE!**

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# What is the IBM System z Academic Initiative?



An IBM program that partners with academic institutions and System z clients and partners *worldwide* to build a pipeline of skilled enterprise system students for the IT jobs of tomorrow

*[ibm.com/university/systemz](http://ibm.com/university/systemz)*

**Our goal – Assist and enable the community**

# Is the Academic Initiative is a program for educators only?



**The Academic Initiative provides resources and services to:**

- **Educators**
- **Students**
- **Clients, Business Partners, and the entire community**



# Something for Educators

- **Program membership**
  - 10 minutes ([ibm.com/university/systemz](http://ibm.com/university/systemz))
- **Remote access** to IBM Mainframe systems
  - Full software stack available on hub systems
  - WW coverage and support
  - System customization according to skills
- Thousands of **software products** available for download
- Access to **course materials**
  - Modules to full semester
  - Foundational to advanced topics
  - Applicable to multiple computing disciplines / majors
  - Presentations, textbooks, labs, exams
- Ongoing Faculty **skills development**
  - Seminars and workshops
  - Calendar of events
- **Connections** with the community
  - Roundtable
  - Participating schools list

The Academic Initiative is **NOT** a predefined program.

It is designed for flexibility.

Use what you want when you want it.



**NO cost**

# Something for Students

- **Student Portal**

- [ibm.com/university/students/](http://ibm.com/university/students/)

- **Participate in IBM sponsored contests**

- [ibm.com/university/students/contests/](http://ibm.com/university/students/contests/)
  - [Master the Mainframe](#) (No experience necessary)

- **Launch your career**

- [SystemzJobs.com](http://SystemzJobs.com)
  - Student Opportunity system  
[ibm.com/university/sos](http://ibm.com/university/sos)
  - IBM Jobs  
[ibm.com/university/students/jobs/](http://ibm.com/university/students/jobs/)

- **Connect with the community**

- developerWorks profile
  - Facebook (System z on campus)

- **Explore leading edge technologies**

- IBM Smarter Planet, Watson, Enterprise computing, Cloud computing, Business analytics, and others

- **Validate your skills and get recognized**

- IBM Certification
  - [IBM System z Mastery test](#) (no cost in 2011)



Membership is NOT required for students

# Student Mainframe Contests:

*Generating student interest*



## 17 countries to date

- |                          |                         |
|--------------------------|-------------------------|
| 1. Brazil                | 10. United Kingdom      |
| 2. Belgium (BeNeLux)     | 11. U.S. (N. America)   |
| 3. Netherlands (BeNeLux) | 12. Canada (N. America) |
| 4. Luxembourg (BeNeLux)  | 13. Australia           |
| 5. Norway (Nordics)      | 14. Taiwan              |
| 6. Denmark (Nordics)     | 15. Russia              |
| 7. Sweden (Nordics)      | 16. Mexico              |
| 8. Finland (Nordics)     | 17. France              |
| 9. Thailand              |                         |

## 2010: 10,000+ students registered across 10 countries

### New in 2011

- Germany
- Switzerland
- Turkey
- Argentina



Location	Contests	Students	Schools
Brazil	2007	2011	390
	2008	3287	400
	2009	2008	390
	2010	4030	409
BeNeLux	2007	76	9
	2010	55	15
Nordics	2007	147	11
Thailand	2007	960	40
UK	2006	725	40
	2007	676	59
	2008	876	64
	2009	1132	70
	2010	671	54
Mexico	2010	716	17
France	2010	324	27
North America	2005	750	85
	2006	1085	177
	2007	1750	325
	2008	1879	325
	2009	3015	425
	2010	3537	417
Australia	2008	450	31
	2009	315	29
	2010	455	32
Taiwan	2009	560	44
	2010	724	46
Russia	2009	269	41
	2010	458	49
<b>Totals</b>	<b>17 countries</b>	<b>32,941</b>	<b>4,021</b>

[ibm.com/university/contest](http://ibm.com/university/contest)

# IBM Subsidizes System z Mastery Exam in 2011

## No cost to students

- **Worldwide offering** (\$95 USD value) to professors and students
  - z/OS Proficiency exam for entry level system programmers
  - Available at 5000+ Prometric locations
  - Avenue for students to validate z/OS knowledge and distinguish themselves from other job candidates
  - Industry feedback: Valuable measurement of 'Entry Level Criteria'
  - Analyst input: Key indicator of available skills
  - Eligibility - faculty members and students
- **Resources**

Based on the [Introduction to Mainframes: z/OS Basics](#) – 2,700+ attempts (78.9% success rate) in 34 countries

Learn more at:

- [ibm.com/university/systemz/masterytest/](http://ibm.com/university/systemz/masterytest/)
- [ibm.com/certify/mastery\\_tests/ovrZ01.shtml](http://ibm.com/certify/mastery_tests/ovrZ01.shtml)

**IBM System z Mastery Test**  
Offered at no charge in 2010

Validate your skills.  
Enhance your resume.  
Build your future!

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**Learn how you can benefit from taking the IBM System z Mastery Test!**

The IBM System z Mastery Test is a proficiency exam for entry level system programmer tasks that can be taken at authorized Prometric sites around the world. It verifies the knowledge contained in IBM *Introduction to the New Mainframe: z/OS Basics*. This textbook provides students of introductory systems technology with the background, information, and skills necessary to begin using the basic facilities of a mainframe computer.

**Program Conditions:**

- Students who are enrolled full-time or part-time at an accredited educational institution


**Program Details:**

- IBM System z Entry Level for z/OS System Programmer Mastery Test 2011 offered at no charge
- Self-study materials provided
- Available worldwide

**Test Preparation**

Take a mainframe enterprise computing course at your school, such as *Introduction to Enterprise Systems* (or its equivalent) or prepare for this test on your own.


1. Read the System z Mastery Test objectives.
2. Download the student textbook and course materials and study them at your own pace.
3. Complete the Sample Assessment test (optional).
4. Request a test voucher number.
5. Register and take the System z Mastery Test and get your results immediately.



**Passing the System z Mastery:**

- Is a tremendous accomplishment
- Increases your job prospects with Fortune 1000 companies
- Validates your mainframe knowledge
- Allows you to post your resume on the IBM Academic Initiative Student Opportunity System
- Gives you respect and recognition among your peers
- Is considered the standard for entering the mainframe job market by IT Industry Analysts

For more information visit the IBM Academic Initiative System z site at [ibm.com/university/systemz](http://ibm.com/university/systemz) or contact [certtest.z@ibm.com](mailto:certtest.z@ibm.com)



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# Something for the Community



## Cole Software

assembler tool installed on z hub



PathPoint Software

## PathPoint

Working with Academic Initiative schools on COBOL

“PathPoint Software is very pleased to provide a unique means to support the mainframe COBOL instructional needs of Academic Initiative participants,” said Robert Buchanan, Vice President of PathPoint Software. “Existing corporate mainframe COBOL applications are very complex and very challenging to maintain, enhance and support. Career opportunities abound for graduates who are prepared to take on this challenge; PathPoint and the Academic Initiative help them prepare.”



## Microfocus

joint partnership with school in NY

Novell



## RedHat and Novel

attended professor summer seminars and supporting z academic hub systems with zLinux



## Rocket Software

sharing emulation software for educators



## CA

providing mainframe software on hubs for educators to teach mainframe courses

## IBM Sellers

(Mainline, Sirius Computer Solutions, Vicom) – spreading the message to educators & clients





## Introducing **SystemzJobs.com** February 2011

[SystemzJobs.com](http://SystemzJobs.com) a new resource to connect IBM System z clients, partners, and businesses with students and experienced professionals seeking System z jobs

### **An easy to use job board for mainframe jobs**

#### **Benefits of using SystemzJobs.com**

- Free, secure, and easy to use
- Specialized audience of mainframe educated students and experienced professionals
- Global pool of mainframe talent

#### **Getting started**

1. Create a secure account
2. Post your job description
3. Connect with qualified candidates

**Sponsored by:**  
**IBM Academic Initiative, System z**  
Visit: [ibm.com/university/systemz](http://ibm.com/university/systemz)

*Questions? Contact [zSkills@us.ibm.com](mailto:zSkills@us.ibm.com)*

# Opportunities to get involved & committed

- Career Days
- Internships
- Guest Lectures & Adjunct Professors
- IBM Professor Summer Seminars
- Attend System z Roundtables on campus
- Install and support software on hub systems



Please support the professors in the ECC

# Sample of companies that joined IBM on campus

**Customers and Partners:** 3M, AAA, ACS, ADP, Aetna, AEP, Aflac, Alexan, Alticor, America First Credit Union (AFCU), American Express, American Greeting, Amerisure Insurance, Antares Management Solutions, Assurant Health, ASU, Auto Owners Insurance, Avnet, Bank of America, Bank of NY Mellon, Beth Israel Deaconess Medical Center, Blue Cross Blue Shield of Alabama, Blue Cross Blue Shield of Michigan, Blue Cross Blue Shield of MN, Blue Cross Blue Shield of Montana, Blue Cross Blue Shield of NC, BMC Software, Boston University, Brown Bros Harriman, Case Western Reserve University, CA, Centers for Medicare and Medicaid Services (CMS), Charles Schwab, Citigroup, City of Cleveland - Cleveland Airport Systems, City of Houston, CIGNA, Coca Cola Enterprises, Colonial Bank, Commonwealth of Massachusetts EMC, Compass Bank, County of El Dorado, DaimlerChrysler, Department of Technology Services, DHI Computing, DHL, Drummond Company, Exxon Mobil, Federal Reserve, Fidelity Investments, First Merrit Bank, Ford Motor Company, Forrester, Franchise Tax Board, Freescale Semiconductor, Genuine Parts Company, Genworth Financial, Georgia Dept of Labor, Georgia Pacific, Global Crossing, GuideOne Insurance Company, Hannaford, Health Net Inc., Highmark, Internal Revenue Service (IRS), ISO, Jack Henry, JP Morgan Chase Credit Card Services, JPMorganChase, LL Bean, Lowe's, Mainline Information Systems, Marriott, Mayer Electric Supply Company, Mayo Clinic, Medco, Meijer, Merrill Lynch, Methodist Hospital, MetLife, Motion Industries, MSI, National City Corporation, Nationwide, PNC Bank, Principle Financial Group, Progress Energy, Progressive Insurance, Regions Financial Corporation, Safeway, Salt Lake County, Salt River Project, Schwab, Sears, Sine Nomine Associates, Sirius Computer Solution, Social Security Administration (SSA), Software AG, Software Assurance Working Group, Southern Company, State Auto, State Employees' Credit Union, State of CA, State of GA Dept of Driver Services, State of Minnesota, State of Montana, State of NC - ITS, State of Utah, State Street, SunTrust, Technology Resources Company, Temple-Inland, Texas Instruments, Texas State University, The Hartford, TMSA, Travelers Insurance Company, Trinity Information Services, United Health Group, University of Michigan Hospitals, UPMC, UPS, US Bank, Verizon, Verizon Data Services, Vicom Infinity, VSP, Wachovia, Wellington-Royce Corporation, Wells Fargo, Westfield Group, Workers Compensation Fund, Zions Bankcorp

# Industry hires students with IBM Enterprise Systems Education

## Bank of America

*“Bank of America is building a new generation of talent to support our infrastructure. We've hired students from colleges and universities enrolled in IBM's Academic Initiative. The students from those schools have the knowledge and skills ready to support the System z”*

Kim Grim, Senior Vice President, Mainframe Engineering at Bank of America

## Citigroup

*“For the past 18 months, Citigroup has actively pursued job creation opportunities in mainframe computing. IBM's Master the Mainframe Contest offers a great resource to secure candidates and helps the company get critical skills as quickly as possible,” said Martin Kennedy, managing director at Citigroup.”*

Martin Kennedy, Managing Director, Mainframe Infrastructure, Citigroup

# Opportunities for community to increase mainframe skills

- List of schools teaching the mainframe  
**No charge** [ibm.com/university/systemz](http://ibm.com/university/systemz)

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- Enterprise Computing Community  
**No charge** [ecc.marist.edu/](http://ecc.marist.edu/)

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- z/OS® Certificate Program  
**Reduced Fee** – college credits [idcp.org/learnzos](http://idcp.org/learnzos)

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- IBM Training e-learning bundles  
**Reduced Fee** [ibm.com/training](http://ibm.com/training)

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- Community Resources  
**No charge** [ibm.com/systems/z/education/skills\\_coursematerials.html](http://ibm.com/systems/z/education/skills_coursematerials.html)

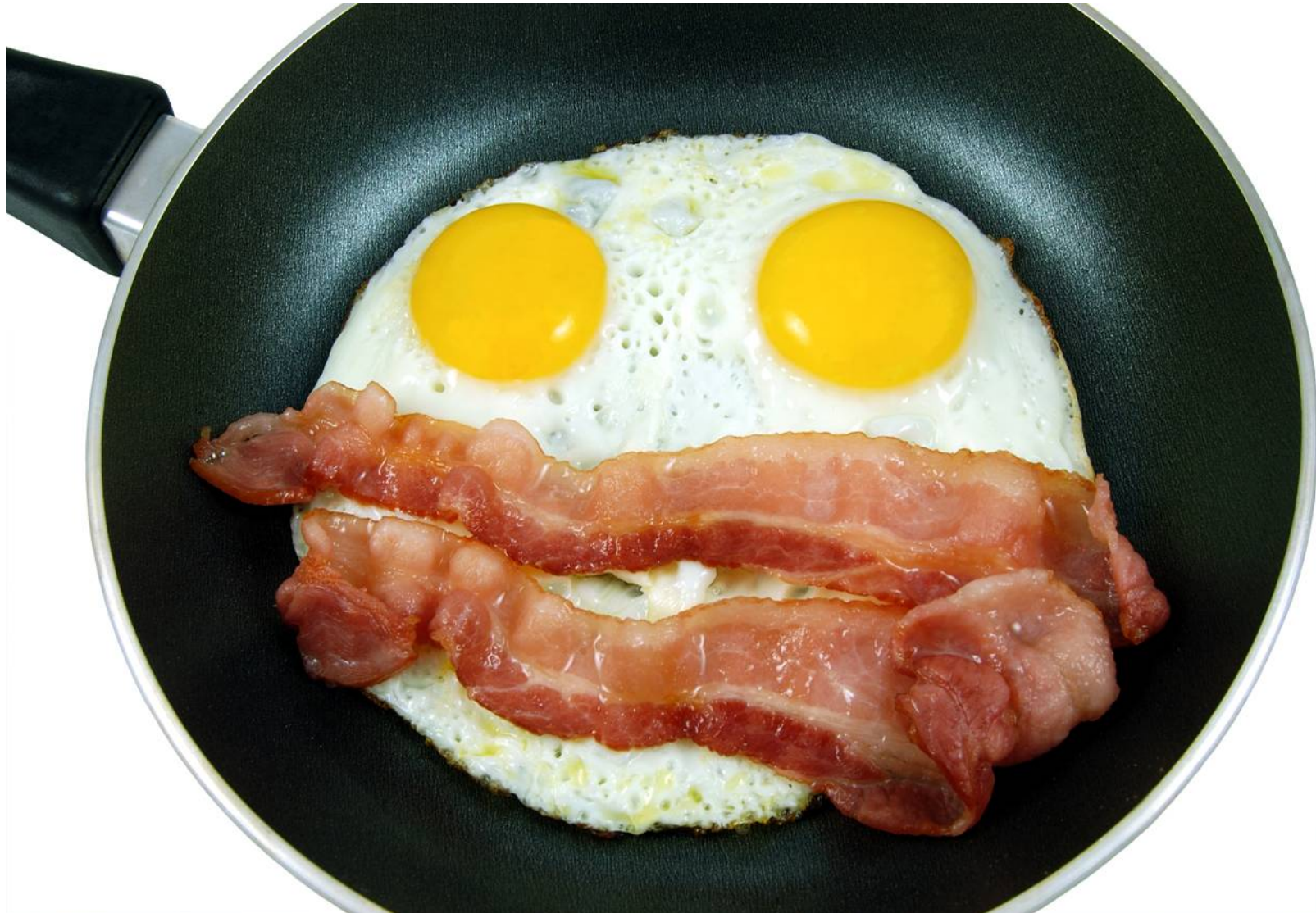
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- Introduction to z Mini-Bootcamp  
**No charge** – web deliverable [ibm.com/systems/z/education/skills\\_coursematerials.html](http://ibm.com/systems/z/education/skills_coursematerials.html)

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- z Skills Help Desk  
**No charge** [zSkills@us.ibm.com](mailto:zSkills@us.ibm.com)

## The difference between involved and committed



# IBM can assist you with Enterprise Systems Skills and Education

Contact us at

[zSkills@us.ibm.com](mailto:zSkills@us.ibm.com)



Questions?

# • Important Web sites and contacts

- **Academic Initiative for the Mainframe**
  - ▶ [ibm.com/university/systemz](http://ibm.com/university/systemz)
- **IBM Academic Initiative Student Portal**
  - ▶ [ibm.com/university/students](http://ibm.com/university/students)
- **IBM System z Mastery test**
  - ▶ [ibm.com/certify/mastery\\_tests/ovrZ01.shtml](http://ibm.com/certify/mastery_tests/ovrZ01.shtml)
- **IBM Student Opportunity System – Connecting Industry with Students**
  - ▶ [www.ibm.com/university/sos](http://www.ibm.com/university/sos)
- **System z Job Board – Connecting Students to Jobs**
  - ▶ [SystemzJobs.com](http://SystemzJobs.com)
- **IBM Master the Mainframe Contest**
  - ▶ [ibm.com/university/contest](http://ibm.com/university/contest)

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