



# System z Academic Initiative

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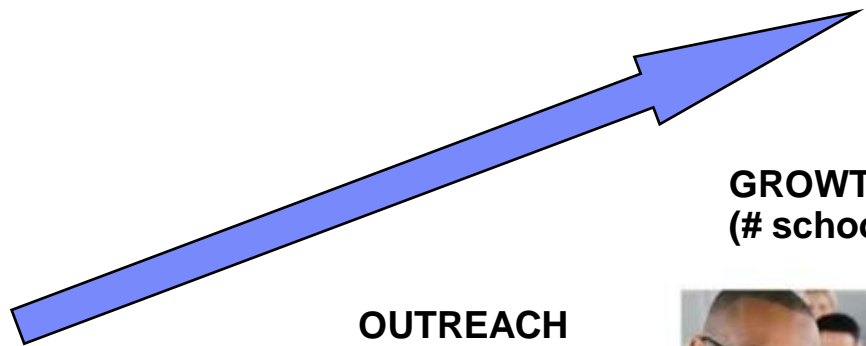


# To increase enterprise systems skills, IBM is ...

1. Enabling schools world wide to teach IBM Enterprise Systems ([ibm.com/university/systemz](http://ibm.com/university/systemz) – list of schools)
2. Connecting clients & community with professors teaching System z
3. Involving the mainframe community at roundtables, lectures, & internships on campus
4. Assisting with training alternatives and resources

# System z Academic Initiatives

7 Years of investment, outreach, & growth = 2010 Student Hiring



**Program INVESTMENT Continues**

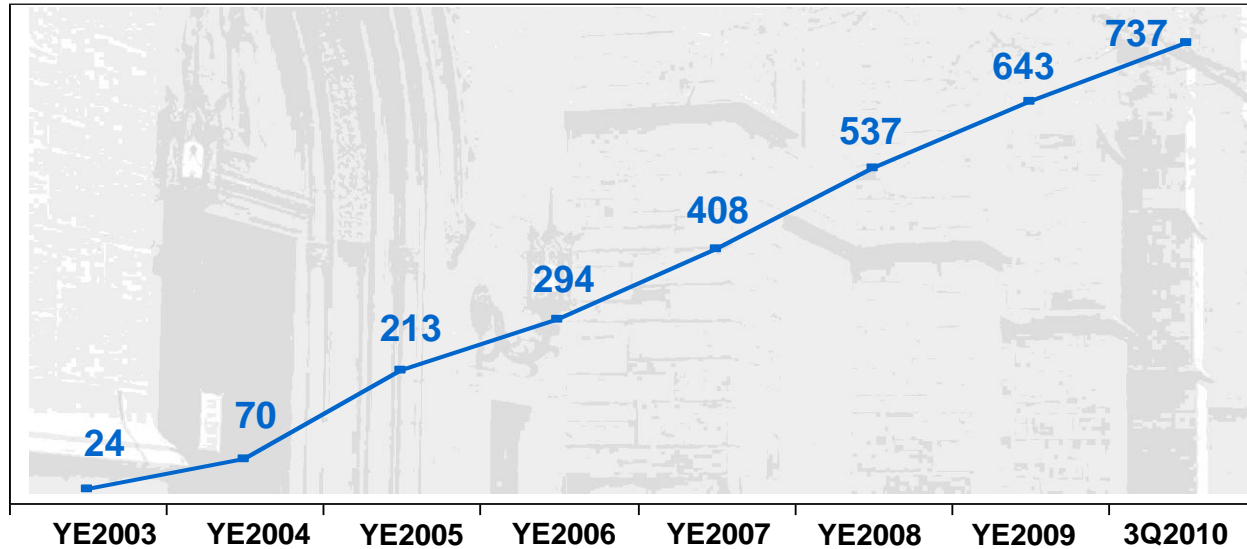
**OUTREACH (community)**

**GROWTH (# schools)**

**CONNECTIONS (academia/industry)**

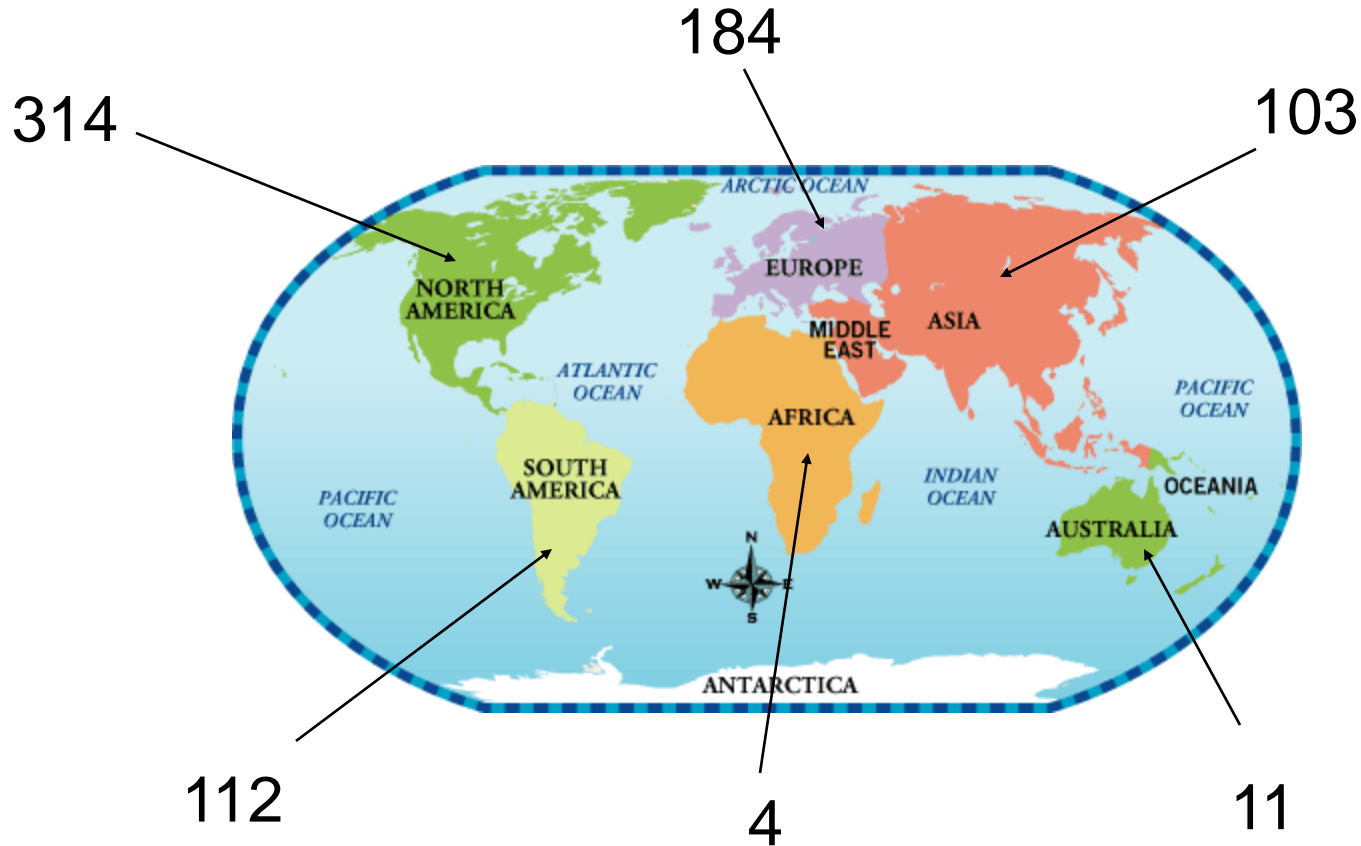


## Member schools worldwide in System z Academic Initiative



- **>50,000 students attended mainframe education in 61 countries**
- Participation continues to increase –
  - 45% North America
  - 24% Europe, Middle East, and Africa
  - 16% Latin America
  - 15% Asia/Pacific
- Wide variety of schools in the program - ***Different level of participation***
- All programs are unique - **Designed to provide flexibility to the school to meet their requirements**

# Schools Participating in z Academic Initiative - Globally



Leadership globally to connect clients with universities

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

IBM Academic Initiative > Software & hardware >

## System z

### Academic Initiative program

Learn

Teach

Connect

Support

Participating schools

**US & Canada**

Europe, Middle East, Africa

Latin America

Asia Pacific

Educators from all over the world are currently investigating or actively teaching mainframe technologies. This is a partial listing of the most active schools in the United States and Canada. The schools are listed alphabetically by state or province.

To be included in the list, or for general inquiries, please contact the System z Academic Initiative team at [zskills@us.ibm.com](mailto:zskills@us.ibm.com).

#### States and provinces with participating schools

- |                           |                 |                  |
|---------------------------|-----------------|------------------|
| ↓ Multiple U.S. locations | ↓ Illinois      | ↓ New York       |
| ↓ Alabama                 | ↓ Indiana       | ↓ North Carolina |
| ↓ Arizona                 | ↓ Iowa          | ↓ Ohio           |
| ↓ Arkansas                | ↓ Louisiana     | ↓ Pennsylvania   |
| ↓ California              | ↓ Maryland      | ↓ South Carolina |
| ↓ Colorado                | ↓ Massachusetts | ↓ South Dakota   |
| ↓ Delaware                | ↓ Minnesota     | ↓ Texas          |
| ↓ Florida                 | ↓ Missouri      | ↓ Utah           |
| ↓ Georgia                 | ↓ Nebraska      | ↓ West Virginia  |
| ↓ Idaho                   | ↓ New Jersey    | ↓ Wisconsin      |



# System z Academic Initiatives – Assist and Enable educators, clients, and community



**Access to mainframes worldwide for teaching (no fee)**

- Marist College NY
- U of Arkansas
- Illinois State U
- Syracuse U
- NC A&T U
- SC CESM
- Brazil
- Germany
- France
- China



**45 Courses, z/OS Mastery Exams, Coupons, Professor Seminars, Ambassadors, Funding & Support world wide, Job Board,**



**z Skills Help Desk**  
*to assist clients and community*  
[zskills@us.ibm.com](mailto:zskills@us.ibm.com)



**Student Mainframe Contests**  
*5 years*  
 • 15 countries  
 • 22,000 students, 3000 schools



**Awareness – academic and industry**  
 Roundtables, conferences, seminars,  
*Expanding worldwide*

# Student Mainframe Contests: Generating student interest

## ■ 15 countries to date

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

## ■ Contests coming in 2010

- ▶ France (new)
- ▶ Mexico (new)
- ▶ Australia
- ▶ Russia
- ▶ US and Canada
- ▶ Taiwan
- ▶ Brazil
- ▶ UK
- ▶ Netherlands

Location	Contests	Students	Schools
Brazil	2007	2011	390
	2008	3287	400
	2009	2008	390
BeNeLux	2007	76	9
Nordics	2007	147	11
Thailand	2007	960	40
UK	2006	725	40
	2007	676	59
	2008	876	64
	2009	1132	70
North America	2005	750	85
	2006	1085	177
	2007	1750	325
	2008	1879	325
	2009	3000	425
Australia	2008	450	31
	2009	315	29
Taiwan	2009	560	44
Russia	2009	269	41
<b>Totals</b>	<b>19</b>	<b>21,956</b>	<b>2,955</b>



# IBM Subsidizes System z Mastery Exam In 2010, offered at no cost

- **Worldwide offering** (\$95 USD value)
  - 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](#) - 1,809 Attempts (78.9% success rate) in 28 countries

Learn more at:

[www.ibm.com/developerworks/university/systemz/masterytest/](http://www.ibm.com/developerworks/university/systemz/masterytest/)

## IBM System z Mastery Test

Offered at no charge in 2010

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

### 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's *Introduction to the New Mainframe: z/OS Basics*. This textbook provides students of information 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 2010 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 handbook and course materials and study them at your own pace.
3. Complete the Sample Assessment test (Optional).
4. Register 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 [zsk@us.ibm.com](mailto:zsk@us.ibm.com)



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# Opportunities for clients 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/advantages/newtosystemz/](http://ibm.com/systems/z/advantages/newtosystemz/)

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- Introduction to z Mini-Bootcamp  
No charge – web deliverable [idcp.org/learnzos](http://idcp.org/learnzos)

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- z Skills Help Desk  
No charge [ibm.com/systems/z/education/skills\\_coursematerials.html](http://ibm.com/systems/z/education/skills_coursematerials.html)

*“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*

*“Garanti Bank has hired 20 students from Yildiz Teknik University in Istanbul. We can say both the students and Garanti, have a motivation to work and invest on developing skills in mainframe arena. **Garanti supports the university with 2 system programmers as teachers and have taught more than 100 students in three years.**”*

*Golfem Ogutken, Garanti Bank*

*“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.”*

# GROWING SKILLS for the MAINFRAME COMMUNITY



- *IBM continues to invest in developing leaders in enterprise systems*
- *The program and the number of schools continues to grow*
- *The mainframe community is connecting with System z Academic Initiative member schools*
- *There are frequent examples of hiring and investment in mainframe skills*