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 Director, Upward Bound Math-Science (UBMS) Program  
 California State University Dominguez Hills, 1000 East Victoria Street, SCC 1131,  
 Carson, California 90747

Subject: TRIO Upward Bound Math/Science Program for Saturday Academy STEM Enrichment  
 Cybersecurity Courses

Dear Tiffany,

This is a continuation of the collaboration between our departments to develop STEM curriculum and Cybersecurity curriculum, research projects, and interactive seminars for the nearly 60 high school participants from the UBMS Program. The UBMS Saturday Cybersecurity portion of the STEM Enrichment/Cybersecurity Academy schedules for the spring semester 2014 can be viewed below as Figure (1), and the tentative schedule for our proposed participation for the Cybersecurity portion is displayed in Figure (2):

**Figure (1) STEM Enrichment Course List of Classes**

Time	Session	Description
Jan 25, 2014 10 am	<i>STEM Integrated Lab-Class 1</i> Grade Level: 9 <sup>th</sup>	Assembly of a Modern Computer
Jan 25, 2014 11 am	<i>STEM Integrated Lab-Class 1</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Assembly of a Modern Computer
Feb 1, 2014 10 am	<i>STEM Integrated Lab-Class 2</i> Grade Level: 9 <sup>th</sup>	Programming in C++
Feb 1, 2014 11 am	<i>STEM Integrated Lab-Class 2</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Programming in C++
Feb 22, 2014 10 am	<i>STEM Integrated Lab-Class 3</i> Grade Level: 9 <sup>th</sup>	Programming with loops, if/else statements, and various other conditionals
Feb 22, 2014 9:45 am	<i>STEM Integrated Lab-Class 3</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Programming with loops, if/else statements, and various other conditionals
Mar 1, 2014 10 am	<i>STEM Integrated Lab-Class 4</i> Grade Level: 9 <sup>th</sup>	Programming a Rock, Paper, Scissors game using conditionals from previous class
Mar 1, 2014 10 am/11 am	<i>STEM Integrated Lab-Class 4</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Programming a Rock, Paper, Scissors game using conditionals from previous class
Mar 8, 2014 10 am	<i>STEM Integrated Lab-Class 5</i> Grade Level: 9 <sup>th</sup>	Khan Academy - JavaScript programing
Mar 8, 2014 10 am/11 am	<i>STEM Integrated Lab-Class 5</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Khan Academy - JavaScript programing
Mar 29, 2014 10 am	<i>STEM Integrated Lab-Class 6</i> Grade Level: 9 <sup>th</sup>	Khan Academy – Colors and Shapes
Mar 29, 2014 11 am	<i>STEM Integrated Lab-Class 6</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Khan Academy – Colors and Shapes
April 5, 2014 10 am	<i>STEM Integrated Lab-Class 7</i> Grade Level: 9 <sup>th</sup>	Khan Academy - Animations
April 5, 2014 11 am	<i>STEM Integrated Lab-Class 7</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Khan Academy - Animations
April 12, 2014 10 am	<i>STEM Integrated Lab-Class 8</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Assessment
May 10, 2014 10 am	<i>STEM Integrated Lab-Class 9</i> Grade Level: 9 <sup>th</sup>	Khan Academy Lesson 4

May 10, 2014 10 am	<i>STEM Integrated Lab-Class 9</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Khan Academy Lesson 4
May 17, 2014 10 am	<i>STEM Integrated Lab-Class 10</i> Grade Level: 9 <sup>th</sup>	Create Your Own Drawing
May 17, 2014 11 am	<i>STEM Integrated Lab-Class 10</i> Grade Level: 10 <sup>th</sup> /11 <sup>th</sup>	Create Your Own Drawing
Jun 23, 2014 10 am	<i>STEM Integrated Lab-Class 11</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Program a Video game Session one
Jun 24, 2014 10 am	<i>STEM Integrated Lab-Class 12</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Program a Video Game Session Two
Jun 25, 2014 10 am Jun 23, 2014	<i>STEM Integrated Lab-Class 13</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Program a Video game Session Three
Jun 26, 2014 10 am	<i>STEM Integrated Lab-Class 14</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Review for Final Exam
Jun 30, 2014 10 am	<i>STEM Integrated Lab-Class 15</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Final Exam

**Figure (2) CyberSecurity Course List of Classes**

Time	Session	Description
Jan 25, 2014 1:30 pm	<i>Cybersecurity Course-Class 1</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	CyberWatch West (CWW) and National Initiative for Cybersecurity Education (NICE)
Feb 1, 2014 1:30 pm	<i>Cybersecurity Course-Class 2</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Safe Public Computing and Safe Mobile Computing
Feb 22, 2014 11:15am-Noon	<i>Cybersecurity Course-Class 3</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Computers and Society, Privacy Issues and Ethical Behavior
Mar 1, 2014 1:30 pm	<i>Cybersecurity Course-Class 4</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Social Engineering and Common Malware
Mar 8, 2014 1:30 pm	<i>Cybersecurity Course-Class 5</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Networking Essentials
Mar 29, 2014 1:30 pm	<i>Cybersecurity Course-Class 6</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Network Security & Hacking Prevention
April 5, 2014 1:30 pm	<i>Cybersecurity Course-Class 7</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Digital Forensics
April 12, 2014 1:30 pm	<i>Cybersecurity Course-Class 8</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Midterm Review (1 <sup>st</sup> Half Class) Midterm Exam (2 <sup>nd</sup> Half)
May 10, 2014 1:30 pm	<i>Cybersecurity Course-Class 9</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Competitions used for Raising Security Awareness
May 17, 2014 1:30 pm	<i>Cybersecurity Course-Class 10</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Wireless Communication
Jun 23, 2014 1 pm	<i>Cybersecurity Course-Class 11</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Access Control (Quad-copter Video's)
Jun 24, 2014 1 pm	<i>Cybersecurity Course-Class 12</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Physical Security
Jun 25, 2014 10 am Jun 23, 2014	<i>Cybersecurity Course-Class 13</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	WireShark & Network Monitoring
Jun 26, 2014 1 pm	<i>Cybersecurity Course-Class 14</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	WEB Design & Security
Jun 30, 2014 1 pm	<i>Cybersecurity Course-Class 15</i> Grade Level: 9 <sup>th</sup> /10 <sup>th</sup> /11 <sup>th</sup>	Final Exam Certificates Awarded



The Faculty Supervisor for the Cybersecurity Course is:  
Mohsen Beheshti, Ph.D.  
Chair, Computer Science Department, California State University Dominguez Hills

The Faculty Supervisor for the STEM Enrichment Course is:  
Antonia Boadi, Ph.D.  
Director, TAPESTRY Program, Computer Science Department, California State University Dominguez Hills

Staff Project Coordinator is:  
John Harwell, Computer Technology Outreach Coordinator  
Computer Science Department, California State University Dominguez Hills

Student Project Coordinator is:  
Samori Price, Chair, Executive Committee, ACM Student Branch

The below list includes student leaders, committee members from STEM Curriculum/Cybersecurity Curriculum Development Committees and from the Executive Committees from three student organizations: the IEEE Computer Society Student Branch, the Cyber Security Club (CSC) Student Branch, and the Association of Computing Machinery (ACM) Student Branch.

Christopher Orciga, Chair, Executive Committee, IEEE Coastal Los Angeles Section (CLAS) Computer Society Student Branch  
Stefanye Walkes, Co-Chair, Executive Committee, IEEE CLAS Computer Society Student Branch, Secretary, Executive Committee, IEEE CLAS Computer Society Student Branch,  
Marilyn Alberto, Chair, Committee for Cybersecurity Curriculum Development, IEEE CLAS Computer Society Student Branch  
Benson Okeke, Co-Chair, Committee for Cybersecurity Curriculum Development, IEEE CLAS Computer Society Student Branch  
Gabriel Ezechukwu, Co-Chair, Cybersecurity Curriculum Development Committee, IEEE CLAS Computer Society Student Branch

Louis Varga, Chair, Executive Committee, Cyber Security Club (CSC) Student Branch  
Alena Rose, Co-Chair, Executive Committee, CSC Student Branch  
Scotty Gomez, Treasurer, Executive Committee, CSC Student Branch  
Vincent Swayne, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch  
Josh Sabels, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch  
Emoni Ruffins, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch

Matt Roesger, Co-Chair, Executive Committee, ACM Student Branch  
Brian Herrera, Chair for ACM Committee for STEM Curriculum Development  
Kevin Daley, Co-Chair for ACM Committee for STEM Curriculum Development  
Hector Aguilo, Treasurer, Executive Committee, IEEE Computer Society Student Branch

Amel Khan, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch  
Lydia Fernandez, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch  
Maximiliano Rosas, Co-Chair, Committee for Cybersecurity Curriculum Development, CSC Student Branch

