

NANOTECHNOLOGY TECHNICIAN'S TRAINING PROGRAM

PARTICIPANT'S MINIMUM QUALIFICATIONS

You must provide proof that you have attained either one of the following minimum prerequisites (Examples: copy of academic records, job certifications with detailed job descriptions):*

- Associate degree in Engineering Technology, Engineering, Biotechnology, Physics, Material Science, Chemistry, Bio-Engineering, Biology, Life Science or related field; OR,
- A minimum of 1-year completion of studies and 1-year of work experience directly related to any of the fields listed above; OR,
- High school diploma or equivalent and a minimum of two years work experience directly related to any of the fields listed above. English comprehension and knowledge of entry level math are required.

***To request prerequisites waiver, please submit a letter of justification addressed to the Project Director stating why you want to attend the training, your educational and career goals and any background you may have, such as previous work experiences with nanotechnology or related industries.**

How to register

1. Print registration forms (may be downloaded from www.attctraining.org).
2. Complete all forms (please do not leave any fields blank).
3. Sign all required forms.
4. Mail completed forms on or before Wednesday, February 12, 2014 to the:

Nanotechnology Training Project Director

114 S. Del Rosa Drive

San Bernardino, CA 92408

Important: Please do not forget to include a copy of your academic records and/or work experience certifications clearly showing how you meet the minimum requirements of the training. If requesting a waiver of prerequisites, please include your letter of request addressed to the Project Director and state your reasons or justifications why the prerequisites should be waived. All training registrants will be notified of his/her acceptance to the training program within 3 - 5 days of receipt of your completed registration package.

Questions: Please call 909-382-4080 or via email at info@attctraining.org.



San Bernardino Community College District

114 South Del Rosa Drive, San Bernardino, CA 92408, Phone: (909) 382-4001 – Fax: (909) 382-4003, www.attctraining.org

NANOTECHNOLOGY TECHNICIAN'S TRAINING REGISTRATION FORM

Please fill out this registration form clearly and completely, but only one person per registration form. Mail completed registration form to the address listed above. You must be at least 18 years old to attend this training. (For information, please access our website at www.attctraining.org or call 909-382-4001.)

PLEASE PRINT CLEARLY

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COMPANY NAME

Contact Information: Please use name and address for which correspondence should be mailed.

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FIRST NAME MI LAST NAME

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ADDRESS NUMBER STREET NAME APT. #

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CITY STATE ZIP CODE

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AREA CODE / PHONE NUMBER

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EMAIL ADDRESS

NANOTECHNOLOGY TECHNICIAN'S TRAINING

(February 18 – April 3, 2014)
Mondays to Thursdays

(IMPORTANT: You must only register and attend courses in the same section).

I would like to register and attend (please check only one):

Section 1A (1:00 p.m. – 5:00 p.m.)
 Section 1B (6:00 p.m. – 10:00 p.m.)

(Training schedules are subject to changes)

PLEASE SEE PRINTED TRAINING SCHEDULES ON THE BACK OF FORM

HOLD HARMLESS STATEMENT: I agree to hold the Center for the Advancement of Nanotechnology (NanoCenter), Applied Technology Training Center, the San Bernardino Community College District and all its officials, employees and training partners free and harmless from all legal action which may result from my attendance in the activities of the Center for the Advancement of Nanotechnology (NanoCenter), the Applied Technology Training Center (ATTC) and employer/partner locations.

SIGNATURE: _____ DATE: _____



Applied Technology Training Center ● 114 S. Del Rosa Drive, San Bernardino, CA 92408 ● 909-382-4001

SUPPLEMENTAL APPLICATION FOR THE NANOTECHNOLOGY PROGRAM (EVENTS/ACTIVITIES)

Funded by an IDRC grant from the Workforce and Economic Development Division
of the California Community Colleges Chancellor's Office.

1	Applicant Name (please print):	
2	Social Security Number*:	
	(*Note: This information will be kept strictly confidential and will not be shared):	
3	Address:	
4	County:	
5	Telephone Number (Home):	Telephone (Office):
6	Telephone Number (Cell):	
7	Gender: Male ___ Female ___ (please check one)	
8	Ethnicity: Are you Hispanic or Latino? Yes ___ No ___ (please check one) (Please note that the term "Hispanic/Latino" includes persons of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture in origin, regardless of race.)	
9	Race: Please check only one of the following. Please note that ethnicity and race are separate and are required to be captured separately by the Office of Management and Budget (OMB). Even if you have already recorded your "ethnicity," we ask that you record your race for federal information collection and accountability purposes.*	
a	American Indian or Alaska Native (put the exact definition here) ____	
b	Asian (put the exact definition here) ____	
c	Black or African American (put the exact definition here) ____	
d	Native Hawaiian or Other Pacific Islander (put the exact definition here) ____	
e	White (put the exact definition here) ____	
f	More Than One Race (put the exact definition here) ____	
	*If you self-identify as more than one race, please only check 9f	
10	Hispanic/Latino <i>and</i> More Than One Race: Yes ___ No ___ (Applicants for this federally-funded project are asked to record their ethnicity, race and ethnicity/racial status combined. In other words, please complete each of these three separate items.)	
11	Eligible Veteran Status: Please check one of the following	
a	You served on active duty etc. etc. ____	
b	Others (Explain): ____	
c	You are the spouse etc. etc. ____	
d	Does not apply ____	
12	Disability Status (Please note that your self-identification will not impact your project eligibility; this information is being collected for federal information collection and reporting purposes only and will not impact your project participation). Please check YES if you have a disability, which is defined as a physical or mental impairment [etc. etc.]	
a	Yes ___	
b	No ___	

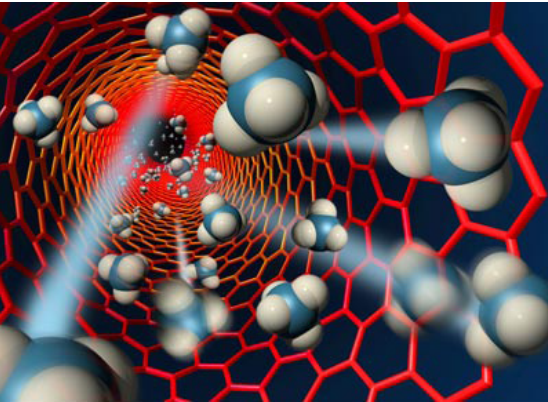
13	Employment at participation:
	Employed: _____ Employed but received termination notice or military separation: _____
	Not employed or not in military: _____
	Date of Hire: _____ If no longer working, last date of work: _____
	Company Name: _____
	Address: _____
	Name of Supervisor: _____ Tel. # of Supervisor: _____
14	Last grade completed at training enrollment
	Never attended: _____ Specify: _____ (First up to Twelfth Grade) H.S. Diploma: _____
	GED: _____ Vocational Tech School (Graduate): _____ College Freshman: _____
	College Sophomore: _____ Associate Degree: _____ College Junior: _____
	Bachelor of Arts: _____ Bachelor of Science: _____ Masters degree: _____ Doctorate: _____
15	Date of birth: _____ Age: _____
16	Marital Status: Single: ___ Married: ___ Divorced: ___ Widowed: ___ Separated: ___ Common Law: ___
	Applicant Signature _____ Date _____
<p>About This Information Collection: This project is funded by an IDRC grant from the Workforce and Economic Development Division of the California Community Colleges Chancellor's Office and the information is being requested to comply with the grantor's reporting requirements. You cannot be denied service for refusal to provide your Social Security Number, for example, but we request that you do so and assure that your information will be kept safe and secure.</p>	

small technology,

BIG

OPPORTUNITY

Nanotechnology is not a single technology. It is an enabling technology that will revolutionize how we manufacture products.



Free Technician's Training in Nanotechnology

Nanotechnology is the science of manipulating materials at the atomic level to design and manufacture new and better materials and products. One nanometer equals one billionth of 1 meter. A sheet of paper is about 100,000 nanometers thick. Due to quantum mechanical effects at the nanoscale, the physical properties of materials change as well as rules of manufacturing. The Center for the Advancement of Nanotechnology (NanoCenter) located at the Donald F. Averill Applied Technology Training Center (ATTC) of the San Bernardino Community College District is again offering a Nanotechnology Technician's Training Program. The training will be in three phases: Phase I: Introduction to Nanotechnology with emphasis in electronic and optoelectronic devices, materials and device characterization, nano-characterization and micro/nano fabrication before being introduced to the Phase II and Phase III of the program which include lectures and hands-on (on-the-job) training in the fundamentals of nano-materials, nano-energy and nano-medicine. The overall goal of this training project is to retrain and retool incumbent and other workers in order to cultivate a regional pipeline of skilled individuals ready to work in the emerging, high-growth sector of Nanotechnology. The Nanotechnology training will be mostly conducted at the ATTC and some components of the on-the-job (hands-on) training will be held at the University of California - Riverside, Kelly Space & Technology in San Bernardino, CA and Molecular Express, Inc. in Rancho Dominguez, CA locations.

PARTICIPANT'S MINIMUM QUALIFICATIONS

Must be currently employed (incumbent worker) or self-employed **AND** must possess a minimum of an Associate degree in Engineering Technology, Engineering, Biotechnology, Physics, Material Science, Chemistry, Bio-Engineering, Biology, Life Science or related field; **OR**, a minimum of 1-year completion of studies and 1-year of work experience directly related to any of the fields listed above; **OR**, a high school diploma or equivalent and a minimum of two years work experience directly related to any science fields. English comprehension and knowledge of entry level math are also required. **NOTE:** Degree and work experience requirements may only be waived upon request in writing to the Program Director citing reason(s) why these requirements should be waived. The Program Director will make the determination whether to accept or deny the request to waive the degree and work experience requirements.

TRAINING SCHEDULE: February 18 – April 3, 2014

Mondays – Thursdays from 1:00 p.m. – 5:00 p.m. (Section 1A) or 6:00 p.m. – 10:00 p.m. (Section 1B)

This training program is funded through the Industry Driven Regional Collaborative (IDRC) grant from the California Community Colleges Chancellor's Office Workforce and Economic Development Division.

Registration information: Please go to www.attctraining.org to download registration packet or request via e-mail at info@attctraining.org. You may also call 909-382-4001. Thank you!

Nanotechnology Technician's Training Schedule
February 18, 2014 – April 3, 2014
(Schedules are subject to changes)

Section 1A (Afternoon) or Section 1B (Evening)

<u>Introduction to Electronics & Opto-electronics</u> (Location: ATTC)		<u>Section 1A</u>	or	<u>Section 1B</u>
Tuesday, February 18, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, February 19, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, February 20, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Friday, February 21, 2014	Phase I: Intro to Nanotechnology	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.

<u>Introduction to Nano-characterization/Fabrication</u> (Location: ATTC/UC-Riverside)				
Monday, February 24, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, February 25, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, February 26, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, February 27, 2014	Phase I: Intro to Nanotechnology	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.

<u>Introduction to Materials and Device Characterization</u> (Location: ATTC/UC Riverside)				
Monday, March 3, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, March 4, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, March 5, 2014	Phase I: Intro to Nanotechnology	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, March 6, 2014	Phase I: Intro to Nanotechnology	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.

<u>Fundamentals of Nano-materials and Nano-energy, Part I</u> (Location: Kelly Space – TBD)				
Monday, March 10, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, March 11, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, March 12, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, March 13, 2014	Phase II/III: Nano-materials/Nano-energy	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.

<u>Fundamentals of Nano-materials and Nano-energy, Part II</u> (Location: UC-Riverside)				
Monday, March 17, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, March 18, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Monday, March 19, 2014	Phase II/III: Nano-materials/Nano-energy	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, March 20, 2014	Phase II/III: Nano-materials/Nano-energy	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.

<u>Fundamentals of Nano-medicine</u> (Location: Molecular Express, Inc., Rancho Dominguez, CA)				
Monday, March 24, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, March 25, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, March 26, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, March 27, 2014	Phase II/III: Fund. of Nano-medicine	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.
Monday, March 31, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Tuesday, April 1, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Wednesday, April 2, 2014	Phase II/III: Fund. of Nano-medicine	1 p.m. – 5 p.m.		6 p.m. – 10 p.m.
Thursday, April 3, 2014	Phase II/III: Fund. of Nano-medicine	2 p.m. – 5 p.m.		6 p.m. – 9 p.m.