THORNTON TOWNSHIP HIGH SCHOOL DISTRICT 205
Nanoscience Program Application
Part One: Program Overview
Application Due Date: Friday, April 12, 2013 - 2:30 p.m.
(June, 2013 - May, 2014)

IMPORTANT NOTICE TO PARENTS AND STUDENT APPLICANTS
Some service providers and sponsors of this program may require students to submit and/or take: fingerprinting samples, criminal background and employment history checks, medical tests for use of un-prescribed or illegal drugs, and personal and/or family medical history. Please carefully read the program eligibility requirements.

Dear Parent and Nanoscience Program Student Applicant:

We are especially pleased that your student wishes to enroll in the Nanoscience Program (Program) for the 2013 – 14 school year. The Nanoscience Program is the result of a partnership by Thornton Township High School District 205 (District 205) and South Suburban College (SSC).

SSC Nanoscience Technology Program
Nanotechnology is the art of manipulating materials on an atomic or molecular scale (1-100 nanometers) especially to build microscopic devices. Nanotechnology is being utilized in the creation of commercially viable microtechnologies with varied features including performing microsurgery without the need of invasive scalpel cuts, additives that make suntan lotion water repellant, designing self-repairing cars to creating stain proof pants.

Nanoscience Program Overview
District 205’s partnership with South Suburban College’s Nanoscience Technology Program will provide the District’s students with entry level skills to manipulate atoms and molecules at the nanometer scale (1-100 nanometers or 1-100 billionth of a meter) in a cutting-edge emerging field of study. Students completing their Nanoscience education with an Associates of Arts and Sciences (AAS) Degree at SSC will be prepared to work as technicians, manufacturers and production workers within industry using nanoscience and micro science technologies, including areas of research and development, production, manufacturing and sales. Students must have an Associate’s Degree or higher in related sciences for the certificate in Nanoscience.

District 205 students will earn college credit through SSC. Some courses in the Program may be offered by SSC on the campus of one or more District 205 high schools. At the present time, dual credit enabling a student to also receive credit toward completion of high school graduation requirements is not yet available through the Nanoscience Program.
Career Opportunities in Nanoscience Technology

District 205 students will have an opportunity to earn college credit toward completion of an Associates of Arts and Sciences Degree (AAS) in Nanoscience through their participation in the Nanoscience Program. South Suburban College's AAS degree in Nanoscience Technology is designed to provide students with the skills and knowledge to prepare them to work as technicians in a wide variety of industries utilizing nanoscale technologies, including pharmaceutical and medical diagnostics, renewable energy, semiconductor and optoelectronics, manufacturing and materials application.

According to most industry and media reports, even though nanotechnology is in its infancy, the business of nanotechnology is booming and nanotech fortunes are rising. Average salaries for entry level techs on a global scale range from $40,000-$45,000.

With estimates that the global market for products that incorporate nanotechnology could hit $2.6 Trillion by 2014, Wall Street investors and venture capitalist are pouring millions of dollars into start-up companies expecting big returns on investments as products move from research and development to the marketplace.

Nanoscience Program Requirements

The following requirements prior to and during the student’s enrollment in the Nanoscience Program are:

1) The student must have, and maintain, a GPA of 2.5 or higher upon applying for admission into the Nanoscience Program.
2) Apply for and be admitted into the District 205 Nanoscience Program.
3) Complete high school Biology I or Biology Honors, Chemistry I or Chemistry Honors, and Algebra II or Algebra II (Honors) & Trigonometry with a Letter Grade of “B” or higher.
4) Apply for and be admitted into South Suburban College and its Nanoscience Program.
5) Take the ACT COMPASS with a grade sufficient so as to not require remedial work to be completed by the student.
6) Comply with all eligibility/admissions Requirements and Expectations of the Nanoscience Program, SSC, District 205, and sponsoring organizations of the Program.
7) The student must have completed one of the following courses with a grade of “A” or “B”: SSC’s Biotechnology course; or District 205’s Biophysics, AP Biology, AP Chemistry, or AP Physics course(s) with a grade of “A” or “B”.

Part One of the Nanoscience Program Application will provide you with an overview of the Nanoscience Program. Part Two of the Nanoscience Program Application consists of a Student Application, Parental Consent Form, and Counselor and Dean Certifications to be completed by the student applicant, parents, Counselor, and Dean. Students applying for admission into the Nanoscience Program will be admitted on a competitive basis with consideration given to their career interests, academic grades, attendance and disciplinary conduct and availability to participate in the Program. Submitting an application does not assure an applicant of admission into the Nanoscience Program. Students not maintaining the Eligibility Requirements at their District 205 high school, SSC, and sponsoring organization work sites may be dropped from the Program. Students admitted into the Nanoscience Program must attend all Nanoscience Informational Meeting Sessions unless the student has received written approval from their Nanoscience Program Sponsor prior to the date of the absence.

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Lastly, District 205, SSC, and Program Sponsoring Organization(s) reserve the right to change, amend, and/or cancel any requirements and content of this program as they feel necessary and at their discretion, with or without providing prior notice to you.

**Benefits of Participation in the Nanoscience Program**
Acceptance into the District 205 Nanoscience Program will provide students with many opportunities to develop and demonstrate their leadership skills and academic achievement. Nanoscience Program students will participate in rigorous academic curricula through their participation in: college level course work and Nanoscience technician training at South Suburban College, attending special Nanoscience career events, and earning college credit while in high school. In addition, students may continue their collegiate education in preparation for careers in various areas of Nanoscience such as pharmaceutical and medical diagnostics, renewable energy, semiconductor and optoelectronics, manufacturing and materials application.

**Nanoscience Program Expectations**
Nanoscience Program students are expected to achieve academic success in every class. They will be leaders in all their classes. Nanoscience students are expected to represent the highest standards of classroom behavior and participation. They are self-directed learners who accept a challenge. Nanoscience students are also expected to adopt the highest ethical and professional standards of behavior in everything they do. The following list is not exhaustive, but may serve as a guide for the types of behavior expected of Nanoscience Program students. As future professionals, Nanoscience Program students should strive to:

1) Be on time for all classes and appointments.
2) Follow all directions of their teachers and supervisors.
3) Do all classroom work with excellence.
4) Be good listeners.
5) Take notes concerning upcoming assignments and events.
6) Learn all aspects of their Program and other related fields of study presented to them.
7) Accept constructive criticism and take appropriate action to incorporate it into practice.
8) Work independently and interdependently on a team.
9) Be respectful of others’ property, feelings and cultural differences.
10) Do not discuss patient privileged and confidential information.
11) Handle conflict and disagreements professionally and carefully.
12) Speak positively about the teachers, classes, the program, and others.
13) Take responsibility for their grades, attitude, and actions.
14) Proudly represent and respectfully District 205, SSC, Program Sponsoring Organizations and the Nanoscience Program.
15) Handle all Nanoscience related topics and issues maturely.
16) Serve others and meet others’ needs with dignity and respect.
17) Respect all knowledge and strive to grow into understanding.
18) **Work very hard!** Nanoscience Program students are expected to maintain a letter grade of “A” or “B” in each semester of their Nanoscience Technology courses. In addition, Nanoscience Program students are expected to maintain an “Exemplary Rating” (equivalent to not less than
a letter grade of “B” on the District 205 Grading Scale) for all activities, assignments, and tests/examinations in which they participate at their high school and SSC.

**Nanoscience Program (NANOSCIENCE PROGRAM) Student Eligibility Requirements**

All students applying for admission into the District 205 Nanoscience Program must meet the following requirements:

1) Must obtain their parent or guardian’s consent to participate in the Nanoscience Program by having all documents, including the Parental Consent Form, properly signed and dated, and submitted in a timely manner to the Nanoscience Program Sponsor.

2) Maintain a GPA of 2.5 or higher throughout their participation in Nanoscience Program and letter grades of "B" or higher in all Nanoscience Technology courses completed at South Suburban College and District 205 in connection with the Nanoscience Program.

3) Must take the ACT COMPASS Test and receive a score sufficient as to not require the student to enroll in remedial mathematics and reading comprehension classes at SSC. Nanoscience Program students will be informed of the date, time, and location of the SSC Placement Test(s) by their high school’s Nanoscience Program Sponsor.

4) Must have received a letter grade of “A” or “B” in all high school science courses.

5) Must have completed all high school Algebra courses (through and including College Algebra and Trigonometry) with a letter grade of “A” or “B” for each course.

6) Submit a copy of the student’s transcript of credits through the most recent semester and/or quarter grade with their Counselor Certification to the Nanoscience Program Sponsor.

7) Not have been suspended for unacceptable academic performance or personal behavioral misconduct during the current school year and throughout their participation in the Nanoscience Program, and submit their Dean’s Certification to the Nanoscience Sponsor.

8) Actively participate in all required Nanoscience Program activities without interruption, tardies, and absences unless due to exceptional emergency situations and illness.

9) Follow all rules and requirements stated by: District 205 and their high school’s administration, Nanoscience Program Sponsors, South Suburban College, and the Nanoscience Program Sponsoring Organizations.

10) Not participate in any criminal activity or have participated in any criminal activity leading to their arrest, conviction, and/or court supervision or probation. Depending on the requirements of the Nanoscience Program Sponsoring Organization(s), Nanoscience students may be required to submit to fingerprinting, medical, and criminal background checks.

11) Not have used any illegal or un-prescribed drugs. Nanoscience students may be required to provide proof of drug screening.

12) Depending on the pharmacy or health service provider’s requirements, Nanoscience Program students may be required to take certain medical tests (for example, tuberculosis screening).

13) Maintain a professional demeanor and appearance at all times. Nanoscience Program students will be required to maintain a professional appearance and appropriate personal hygiene regardless of whether they are or are not participating in a Nanoscience Program sponsored activity or event.

14) Nanoscience students must always conduct themselves in a professional manner. They must always be mindful that they represent District 205, SSC, Nanoscience Program Sponsoring Organization, and the Nanoscience Program. Their personal appearance, speech, and conduct must reflect that status anywhere and at all times.
South Suburban College Pharmacy Technician Courses

During each Semester of the 2013 – 14 School Year, students will be enrolled in a Nanoscience Program course offered by South Suburban College. The Fundamentals of Nanoscience I (First Semester) and Fundamentals of Nanoscience II (Second Semester) will meet five days per week as a double period class (100 minutes per day and approximately 8.3 clock hours per week) at a District 205 high school or on the SSC Main Campus located in South Holland, Illinois. Students will be bused from their District 205 high school to the location of the class sessions. The Fundamentals of Nanoscience I & II courses are each 6 college credit hour courses. At the present time, District 205 anticipates the courses will run from 12:40 p.m. until 2:25 p.m. each District 205 regular school day. The buses returning the students to their respective District 205 high schools will drop off students at their usual school bus stops. The SSC Fall Semester generally starts in late August and runs through the first week of December. District 205 will cover the cost of transportation at no cost to the parents of Nanoscience students.

Students successfully completing their Fundamentals of Nanoscience I & II course(s) with a letter grade of “B” or higher will earn credit applicable to SSC’s Nanoscience Technology Program, 6 credit hours per course. Also, District 205 will cover the Nanoscience courses’ registration and textbook fees at no cost to parents of Nanoscience Program students. District 205 Nanoscience Program students will be permitted to use their one free course tuition waiver offered by SSC to residents of the SSC Community College District to cover tuition costs. Students receiving a letter grade of “A” or “B” for their fundamentals of Nanoscience I course will receive an additional tuition free course, Fundamentals of Nanoscience II, for Second Semester of 2013 – 14 at SSC.

Notification of Acceptance into Components of the Nanoscience Program

District 205 anticipates that the Nanoscience Program Sponsors will notify students accepted into the Nanoscience Technology Program by mid-May, 2013.

District 205 and SSC look forward to providing our students with superior high school, college, and career readiness experiences during the 2013 – 2014 Nanoscience Program. Should you have any questions regarding the Nanoscience Program, please feel free to contact one of the following Nanoscience Program Sponsors at your high school:

- Joyce Scaletta/Thornridge: Phone at (708) 271 - 4635, Email at scaletta.joyce@district205.net
- Brian Wright/Thornton: Phone at (708) 225 - 4260, Email at wright.brian@district205.net
- Rita Stoncius/Thornwood: Phone at (708) 225 - 4956, Email at stoncius.rita@district205.net
- Andrew Chidester/Thornwood: Phone at (708) 225 - 4889, Email at chidester.andrew@district205.net

Parent(s), we ask that you and your student acknowledge receiving Parts One and Two of the Nanoscience Program Application by providing the requested information in Part Two, signing, dating, and having your student return Part Two and its supporting documents to your School’s Program Sponsor not later than Friday, April 12, 2013 - 2:30 p.m. Also, it is the student’s responsibility to have a completed Student Application, Student Personal Statement, Student Certification and Parental Consent Forms, Counselor and Dean Certifications, and high school grade transcripts delivered to their Program Sponsor by the Friday, April 12, 2013 - 2:30 p.m. due date. Applications received after that date may possibly not be considered for the Program. Late submission or failure to submit these documents may result in the student’s Application and supporting documents not being considered for his/her admission into the Program.

Document dated March 19, 2013
THORNTON TOWNSHIP HIGH SCHOOL DISTRICT 205
Nanoscience Program Application
Part Two: Student Application, Parental Consent, and Counselor and Dean Certifications
Application Due Date: Friday, April 12, 2013 - 2:30 p.m.
(June, 2013 - May, 2014)

IMPORTANT NOTICE TO PARENTS AND STUDENTS APPLICANTS
Some service providers and sponsors of this program may require students to submit and/or take: fingerprinting samples, criminal background and employment history checks, medical tests for use of un-prescribed or illegal drugs, and personal and/or family medical history. Please carefully read the program eligibility requirements.

Instructions: LEGIBLY PRINT or TYPE the following information. Completed Applications are to be delivered to your high school's Nanoscience Program Sponsor not later than 2:30 p.m., April 12, 2013. The Nanoscience Program Sponsors are:

- Joyce Scaletta/Thornridge: Phone at (708) 271 - 4635, Email at scaletta.joyce@district205.net
- Brian Wright/Thornton: Phone at (708) 225 - 4260, Email at wright.brian@district205.net
- Rita Stoncius/Thornwood: Phone at (708) 225 - 4956, Email at stoncius.rita@district205.net
- Andrew Chidester/Thornwood: Phone at (708) 225 - 4889, Email at chidester.andrew@district205.net

1. Checkmark your high school: ___ Thornridge    ___ Thornton    ___ Thornwood

2. Applicant Name (Print): ___________________________________________  ___________________________  _______
   Last                First                 MI

3. Student ID # _______________ Grade Level (Circle): 9  10  11  12

4. Current House Membership (Circle):  HHS        BENT        AC

5. Current GPA (Must not be less than 3.50): __________

6. Student Birth Date (MM/DD/YYYY): _______________ Age: _______

7. Mailing Address: ____________________________________________________________

8. City: ___________________________ State: ___ Zip: _______

9. Home Phone (Area Code): (_______) ______ - ________________

10. Student Cell Phone: (_______) ______ - ________________

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11. Student Work Phone: (______) ______- _____________

12. Student Email Address: __________________________________________

13. Parent/Guardian Name (Print): ___________________________  __________________________  Last  First  MI

14. Parent Work Phone: (______) ______- _____________

15. Parent Cell Phone: (______) ______- _____________

16. Parent Email Address: __________________________________________

17. What are your pharmacy or health science career interests? Using numbers 1 through 3, rank your top three career choices in order of importance to you. If you select “Other”, please briefly name or describe that choice.

   _____ Pharmacist
   _____ Pharmacy Technician
   _____ Medical Doctor
   _____ Medical Laboratory Technician
   _____ Nurse
   _____ Nursing Assistant
   _____ Dentist
   _____ Dental Technician
   _____ Optometrist
   _____ Optical Technician
   _____ Radiology Technician
   _____ Veterinarian/Veterinary Tech
   _____ EMT/Emergency Medical Technician or Paramedic
   _____ Biomedical Engineer
   _____ Physical Therapist/Rehabilitation Technician
   _____ Biophysics
   _____ Teacher
   _____ Other - Please briefly state the career field: __________________________________________

18. Do you currently hold any other pre-professional or professional license or certification? If you do, please briefly name and describe the nature of the license or certification.

   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________

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19. List all student activities (clubs and sports teams) for which you are a member:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

20. Have you received any special awards or recognitions? If so, please list, briefly name, and describe your accomplishment for receiving the award.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

21. Are you currently employed? _____ Yes _____ No

22. If you are currently employed, how long have you been working and briefly describe the type of work you do?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
23. PERSONAL STATEMENT: Please attach to page 9 of Part Two of your Application a one page, typewritten, and double spaced "Personal Statement" explaining your reasons for requesting admission into the District 205 Nanoscience Program.

IMPORTANT: Your application may be reviewed for approval of admission status by administrators, staff, and, under certain circumstances, pharmacy and service provider organizations individually and as a committee. Only upon receiving written confirmation of your admission into the Nanoscience Program from your high school’s Nanoscience Program Sponsor will you be enrolled in any of the Nanoscience Program and course for which you have been approved. Submission of an Application does not guaranty you admission into the various Nanoscience Programs. Admission into the Programs will be on a competitive basis by each District 205 high school.

We wish to remind you that the Nanoscience Program Sponsors are:

- Joyce Scaletta/Thornridge: Phone at (708) 271-4635, Email at scaletta.joyce@district205.net
- Brian Wright/Thornton: Phone at (708) 225-4260, Email at wright.brian@district205.net
- Rita Stoncius/Thornwood: Phone at (708) 225-4956, Email at stoncius.rita@district205.net
- Andrew Chidester/Thornwood: Phone at (708) 225-4889, Email at chidester.andrew@district205.net
THORNTON TOWNSHIP HIGH SCHOOL DISTRICT 205
Parent Consent and Student Certification
Nanoscience Program
Application Due Date: Friday, April 12, 2013 - 2:30 p.m.
(June, 2013 - May, 2014)

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Checkmark your high school: ___Thornridge ___Thornton ___Thornwood

Student Certification

I, ____________________________________________, (Student #: ____________)
(Print Student Name)

have read, understand, and agree to comply with all rules and requirements of the District 205 Nanoscience Program upon my admission to the program. I also confirm that all of the information that I have provided in my Application is true and correct.

Student Signature: ________________________________

Student ID#: __________________

Parent Consent

I, ____________________________________________, have read, understand, and consent to
(Print Parent/Guardian Name)

_____________________________ applying for admission to the Nanoscience Program.
(Print Student Name)

I agree and support his/her Application and all Nanoscience Program Expectations and Requirements.

Parent/Guardian Signature: ________________________________

Date: __________________________
Counselor's Certification
Nanoscience Program

Application Due Date: Friday, April 12, 2013 - 2:30 p.m.
(June, 2013 - May, 2014)

This Certification Document is due Friday, April 12, 2013, 2:30 p.m.

Checkmark your high school: ___Thornridge ___Thornton ___Thornwood

Counselor, please complete the following certification and send it to the Nanoscience Program Sponsor for your building:

- Joyce Scaletta/Thornridge: Phone at (708) 271 - 4635, Email at scaletta.joyce@district205.net
- Brian Wright/Thornton: Phone at (708) 225 - 4260, Email at wright.brian@district205.net
- Rita Stoncius/Thornwood: Phone at (708) 225 - 4956, Email at stoncius.rita@district205.net
- Andrew Chidester/Thornwood: Phone at (708) 225 - 4889, Email at chidester.andrew@district205.net

not later than 2:30 p.m., Friday, April 12, 2013 by way of interoffice mail or email. Also, please deliver a copy of the Applicant's grade history or transcript with your Certification. Thank you.

Counselor's Certification

Student Name (Print): ___________________ ___________________ __________
Last First MI

Student ID # ________________

I certify that the above named student has a current GPA of _______ and is not currently subject to any academic disciplinary actions for the current academic year through the date of my signature.

Counselor Signature: ______________________________

Print Counselor Name: ______________________________

Date: ________________

Document dated March 19, 2013
THORNTON TOWNSHIP HIGH SCHOOL DISTRICT 205
Dean's Certification
Nanoscience Program
Application Due Date: Friday, April 12, 2013 - 2:30 p.m.
(June, 2013 - May, 2014)

This Certification Document is due Friday, April 12, 2013, 2:30 p.m.

Checkmark your high school: ___Thornridge ___Thornton ___Thornwood

Dean, please complete the following certification and send it to the Nanoscience Program Sponsor for your building:

Joyce Scaletta/Thornridge: Phone at (708) 271-4635, Email at scaletta.joyce@district205.net
Brian Wright/Thornton: Phone at (708) 225-4260, Email at wright.brian@district205.net
Rita Stoncius/Thornwood: Phone at (708) 225-4956, Email at stoncius.rita@district205.net
Andrew Chidester/Thornwood: Phone at (708) 225-4889, Email at chidester.andrew@district205.net

not later than 2:30 p.m., Friday, April 12, 2013 by way of interoffice mail or email. Thank you.

Dean's Certification

Student Name (Print): _______________________ _____________________ ___
                   Last         First           MI

Student ID # ______________

I certify that the above named student is not currently and has not been subject to any behavior/conduct disciplinary actions for the current academic year through the date of my signature below.

Dean's Signature: ______________________________________

Print Dean's Name: ____________________________________

Date: ____________________

Document dated March 19, 2013