2018 Darien Center

TECHNOLOGY, BUSINESS AND LEADERSHIP

July 21-Aug 11

Tues – Thurs – Saturdays

For High School Students

Junior High School Students may join the Apprenticeship Program

Cost $200 *(scholarships available upon request)*

*The **Darien Center** sponsors programs emphasizing character development, leadership, and service. We foster the personal qualities that enable men to exercise a positive influence in the world and to integrate their faith, study, work, friendship and citizenship. The spiritual dimension of the activities is entrusted to the Catholic Prelature of Opus Dei.*

July 14th – August 11th 2018

Classes: Engineering and the product cycle: *from concept to prototype, to a commercialization.*
Business: *how to cost the product, establish procurement, manufacturing, support.*
Marketing, Sales and branding: *presentation, promotion, understanding the market, customer needs, competition.*

Place: Darien Study Center
7800 S Cass Ave, Darien, IL 60561

Saturday

9:00am	Work Team Review
9:15am	Class/Workshop I – Engineering
9:45	Class/Workshop II – Business
10:15	Class/Workshop III – Marketing
10:45am	Concurrent Work Projects Engineering, Business, Marketing
11:45am	Talk
12:00pm	End

Tues and Thursday

7:30pm	Work Team Projects Engineering, Business, Marketing
8:45pm	All Hands Get Together and Review
9:00pm	End

Instructors:
Dr. William de Ojeda, WMI, Director of Engineering
Audrius Brazauskas, Senior Mechanical Eng. Student at @ IIT
Gerry Harper, South Shore Hospital, COO, Retired
Carlos Fernandez, Business Director, Hardscape Design

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Application Form *Deadline June 1st*

Plan for interview (in person or by phone)
Response to applications will be announced on June 15th

Student Name: _____ **Grade:** _____ **GPA:** _____

Address: _____

_____

School: _____

Emergency Contact: _____

Phone number: _____

Father's name: _____

Phone number: _____

Email _____

Mother's name: _____

Phone number: _____

Email: _____

_____
Student signature

_____
Parent Signature

Mail Application to:
Darien Study Center. 7800 S Cass Ave, Darien, IL 60561. Attn: William de Ojeda

Previous projects have included:

2016 **Electrification of Bike**: project involved the installation of motor and battery on a bicycle, designing and installation of a controller to monitor torque and assist biker for optimum performance and assistance.

2017 **Industrial flow meter**: design a flow meter to measure the flow from a pump. A useful device uses a flow column, electric valve and pressure sensor to measure flow with assistance of controller. It can be used in variety of applications ranging from rain fall estimate to measuring flows in a fuel pump!

2018 **Project to be announced** at beginning of Summer Program!

Scope:

- ✓ Learn from and work with experts in a variety of fields of commercial products
- ✓ Get exposure to the creative aspects of business and technology
- ✓ Advance both your personal skills and your ability to work on teams
- ✓ Take advantage of talks to help you grow in maturity, industriousness, spirit of service, and desire to grow in personal character.

Are you in or onto College?
Do you want to be an instructor?
Do you want to be a team leader?
Do you want to earn college credit and references?
This activity can help you catapult your career!
Contact us to find out how you can be part of it.

Are you in Junior HS?
If you are in Junior High and highly motivated you may apply to the apprenticeship program.
Four younger students will be able to participate as a team in the activity.

For more information call or email:
Willy de Ojeda , PhD, PE
773-909-5450 (M)
wdeojeda@gmail.com
Darien Center
630-541-8769

2018 Darien Center TECHNOLOGY, BUSINESS AND LEADERSHIP

Student Name: _____

School: _____ **Grade:** _____

Tell us a little of yourself, your hobbies and interests.
How do these fit with the "interest" selection above?

_____

_____

_____

Indicate your interest
Use the following ranking
1 = highest
2 = medium
3 = lowest

Engineering ☐
Business ☐
Marketing ☐

What are your plans for college and beyond? Why do you think this course may help you in your professional development?

_____

_____

_____

Can you commit to attending the 5 Sat sessions? If not please explain why. _____

_____

Application Form