



InterAmerican Campus



STEM-OASIS PROGRAM Application



YOUR PATH TO SUCCESS IN
A STEM CAREER STARTS



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STEM OASIS Program Application

About the Program

Under the Minority Science and Engineering Improvement Program (MSEIP), The US Department of Education (ED) awarded grant monies to MDC InterAmerican College in order to increase the number of minorities, particularly women, studying in STEM (science, Technology, engineering and mathematics) fields. The grant will help prepare more minority students for STEM-related careers, **which are in high-demand** and critical to building a competitive workforce that will help grow our America's economy.

MDC InterAmerican Campus supports the USDE overall goal of improving STEM education to increase America's technological and scientific competitiveness – to expand career opportunities for underrepresented groups, especially minorities and women.

The STEM OASIS program is also working to improve the quality of math and science teaching at our campus so that students can better master challenging content, think critically in STEM-related subjects, which in turn will aid in addressing the alarming statistic that US college students are outperformed by students in other nations.

The STEM OASIS Program is committed to developing the nation's supply of scientists, engineers, technologists and math oriented careers by combining a number of proven-effective strategies to assist high need minority students, to remain engaged, persist and earn a STEM degree at MDC. Through this program, students will have the opportunity to discover and experience the excitement of science, technology, engineering and math and learn about career opportunities.

Benefits

Students participating in the program will benefit from a full range of intensive and customized services such as dedicated advising, cohort experience, Inquiry-based STEM courses, Peer-Led Team Learning (PLTL)/peer tutoring, stipend research opportunities, career-related lectures/field trips, paid peer-leader positions, STEM faculty mentoring, STEM community engagement and departmental recommendations.

Eligibility

In order to be considered for this program, students must:

1. Enrolled as a full-time MDC student
2. Registered at InterAmerican Campus
3. Committed to completing a STEM degree
4. Strongly interested in pursuing a STEM career

SELECTED MDC STEM Majors:

Agriculture	Computer information Systems	Engineering-Mechanical
Architectural Engineering	Computer Science	Environmental Studies
Architecture	Engineering- Ocean	Forestry
Atmospheric Science + Metrology	Engineering Science	Geology
Biology	Engineering-Chemical	Mathematics
Biotechnology	Engineering-Civil	Medicine
Chemistry	Engineering-Electrical	Physics
Computer Engineering	Engineering-Industrial	Psychology

Cohort Agreement:

Successful applicants are automatically considered as a member of STEM OASIS Cohort. Please see the Cohort Agreement on the last page.

For more information, or if you have questions, please contact:

<p>Camila Caunedo Recruitment & Retention Specialist</p> <p>STEM OASIS Grant Department of Natural and Social Sciences InterAmerican Campus Miami Dade College 627 SW 27th Avenue (Room IAP-25) Miami, FL 33135 Phone: 305-237-6548 CCaunedo@mdc.edu</p>	<p>Zhiqi Zhang, Ph.D. Program Director</p> <p>STEM OASIS Grant Department of Natural and Social Sciences InterAmerican Campus Miami Dade College 627 SW 27th Avenue (Room IAP-25) Miami, FL 33135 Phone: 305-237-6543 ZZhang@mdc.edu</p>
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**STEM OASIS
Program Application**

Applicant Information

Last Name: _____ First: _____ Middle Initial: _____

Miami Dade College Student ID: _____

Street Address: _____ Apartment Number: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Day Phone: _____ Evening Phone: _____

High School: _____ High School GPA: _____ Current College GPA: _____

Major: _____

Checklist

- This Application form**
- Recommendation** from an administrator or MDC faculty (science, technology, engineering or mathematics instructors are preferred). Person providing the recommendation can write a **letter** or fill out the **reference form** (pages 3 and 4 of this application packet) and place in a sealed envelope.

Please provide his/her information below:

Last Name: _____ First Name: _____

Title: _____ Relationship to Student: _____

Institution Name: _____ Department: _____

How long has the reference been acquainted with the student? _____

Mail or hand deliver completed application packets to:

<p>Julia M. Cespedes, M.S. Recruitment & Retention Specialist</p> <p>STEM OASIS Grant Department of Natural and Social Sciences InterAmerican Campus Miami Dade College 627 SW 27th Avenue (Room IAP-25) Miami, FL 33135 Phone: 305-237-6548 jcespede@mdc.edu</p>	<p>Zhiqi Zhang, Ph.D. Program Director</p> <p>STEM OASIS Grant Department of Natural and Social Sciences InterAmerican Campus Miami Dade College 627 SW 27th Avenue (Room IAP-25) Miami, FL 33135 Phone: 305-237-6543 zzhang@mdc.edu</p>
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Faculty / Administrator Reference Form

Applicant's Last Name:	Applicant's First Name:	MDC Student Number:
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Dear Faculty Member/Administrator, please complete the following form and **return to the student in a sealed envelope** for inclusion in their application package. Your candid assessment of this student will play a significant role in their selection.

Faculty / Administrator _____

Department _____ Campus _____ Office phone _____

How well do you know the applicant? Very well Well Fairly Well Slightly

How long have you known the applicant? _____

In what capacity? College instructor High School instructor Other _____

Briefly describe the circumstances under which you have come to know the applicant.

Please evaluate the applicant in each of the following areas by checking the appropriate boxes.

1=Outstanding, 2=Above average, 3=Satisfactory, 4=Below average, 5=Cannot evaluate

Characteristic	1	2	3	4	5	Comments
<u>Motivation</u>						
<u>Self-direction</u>						
<u>Self confidence</u>						
<u>Academic Potential</u> in a STEM Discipline						
<u>Commitment</u> to STEM Discipline						
<u>Reliability</u> : Consider attendance, participation, and ability to meet deadlines						
<u>Initiative & Industry</u> : Consider resourcefulness and ingenuity						
<u>Promise</u> for a career in an STEM field						

OVERALL RECOMMENDATION: The goal of the STEM OASIS program is to attract and support students interested in completing associates degrees, transferring to four-year colleges to complete bachelor degrees, and having successful careers in science, technology, engineering, and mathematics disciplines. Based on your knowledge of this student, please complete the following.

What is your overall evaluation of the application?

- | | |
|--|--|
| <input type="checkbox"/> Outstanding candidate, top 5% | <input type="checkbox"/> Average candidate, middle third |
| <input type="checkbox"/> Excellent candidate, top 10% | <input type="checkbox"/> Fair candidate, lower third |
| <input type="checkbox"/> Very good candidate, top 15% | <input type="checkbox"/> Poor candidate, lower 10% |
| <input type="checkbox"/> Good candidate, upper third | <input type="checkbox"/> No basis for judgment |

_____ I recommend the applicant enthusiastically and without any reservation whatsoever. This student would make valuable contributions to all aspects of the program and gain a great deal from the experience.

_____ I recommend the applicant as a good candidate for the program. This student is likely to contribute to the program and would benefit from the experience.

_____ I recommend the applicant with some hesitation.

_____ I do not recommend the applicant.

We welcome your additional comments to help us evaluate this student (use extra sheets if necessary):

Signature: _____

Date: _____

Dear Faculty Member/Administrator: please complete the following form and return it to the student in a sealed envelope for inclusion in their application package.

Thank you for taking the time to complete this reference.

STEM OASIS Cohort Agreement

I, _____ (PRINT FULL NAME), by joining the STEM OASIS Cohort, acknowledge that I will benefit from a full range of intensive and customized services such as dedicated advising, cohort experience, Inquiry-based STEM courses, Peer-Led Team Learning (PLTL)/peer tutoring, stipend research opportunities, career-related lectures/field trips, paid peer-leader positions, STEM faculty mentoring, STEM community engagement and departmental recommendations.

I also acknowledge that in order to maintain my STEM OASIS Cohort membership status, I agree to fulfill the following obligations:

- Meet with Recruitment & Retention Specialist every term before Registration starts for dedicated advising appointment to register appropriate classes for the next term;
- Register and take full advantage of specialized STEM OASIS sponsored courses which include but not limited to PLTL and Inquiry Curriculum components;
- Participate in all the surveys and interviews conducted by STEM OASIS project staff, faculty members, Internal and External Evaluator(s);
- Participate in all the mandatory cohort monthly meetings (only one excused absence is allowed each semester);
- Participate in all the field trips/career site visits meetings (only one excused absence is allowed each semester);
- Participate in all the other STEM community-building events organized by STEM OASIS (only one excused absence is allowed each semester);
- Allow Miami Dade College to photograph and video record my appearance at any STEM OASIS events in which I have agreed to participate. I understand that these materials will not be used for any commercial purpose, but solely for the non-profit use of the College.

Signature: _____

Date: _____