STEM-OASIS PROGRAM Application

YOUR PATH TO SUCCESS IN A STEM CAREER STARTS

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InterAmerican Campus
627 SW 27th Avenue
Room IAP-25
Miami, FL 33135
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:

<table>
<thead>
<tr>
<th>Agriculture</th>
<th>Computer information Systems</th>
<th>Engineering-Mechanical</th>
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<tbody>
<tr>
<td>Architectural Engineering</td>
<td>Computer Science</td>
<td>Environmental Studies</td>
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<td>Architecture</td>
<td>Engineering-Ocean</td>
<td>Forestry</td>
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<td>Atmospheric Science + Metrology</td>
<td>Engineering Science</td>
<td>Geology</td>
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<td>Biology</td>
<td>Engineering-Chemical</td>
<td>Mathematics</td>
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<td>Biotechnology</td>
<td>Engineering-Civil</td>
<td>Medicine</td>
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<td>Chemistry</td>
<td>Engineering-Electrical</td>
<td>Physics</td>
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<tr>
<td>Computer Engineering</td>
<td>Engineering-Industrial</td>
<td>Psychology</td>
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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:

Camila Caunedo  
Recruitment & Retention Specialist  
STEM OASIS Grant  
Department of Natural and Social Sciences  
InterAmerican Campus  
Miami Dade College  
627 SW 27th Avenue (Room IAP-25)  
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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:

Julia M. Cespedes, M.S.
Recruitment & Retention Specialist
STEM OASIS Grant
Department of Natural and Social Sciences
InterAmerican Campus
Miami Dade College
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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

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

- Outstanding candidate, top 5%
- Excellent candidate, top 10%
- Very good candidate, top 15%
- Good candidate, upper third
- Average candidate, middle third
- Fair candidate, lower third
- Poor candidate, lower 10%
- 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: ______________________________